Electrical documentation

Xcalibur PX

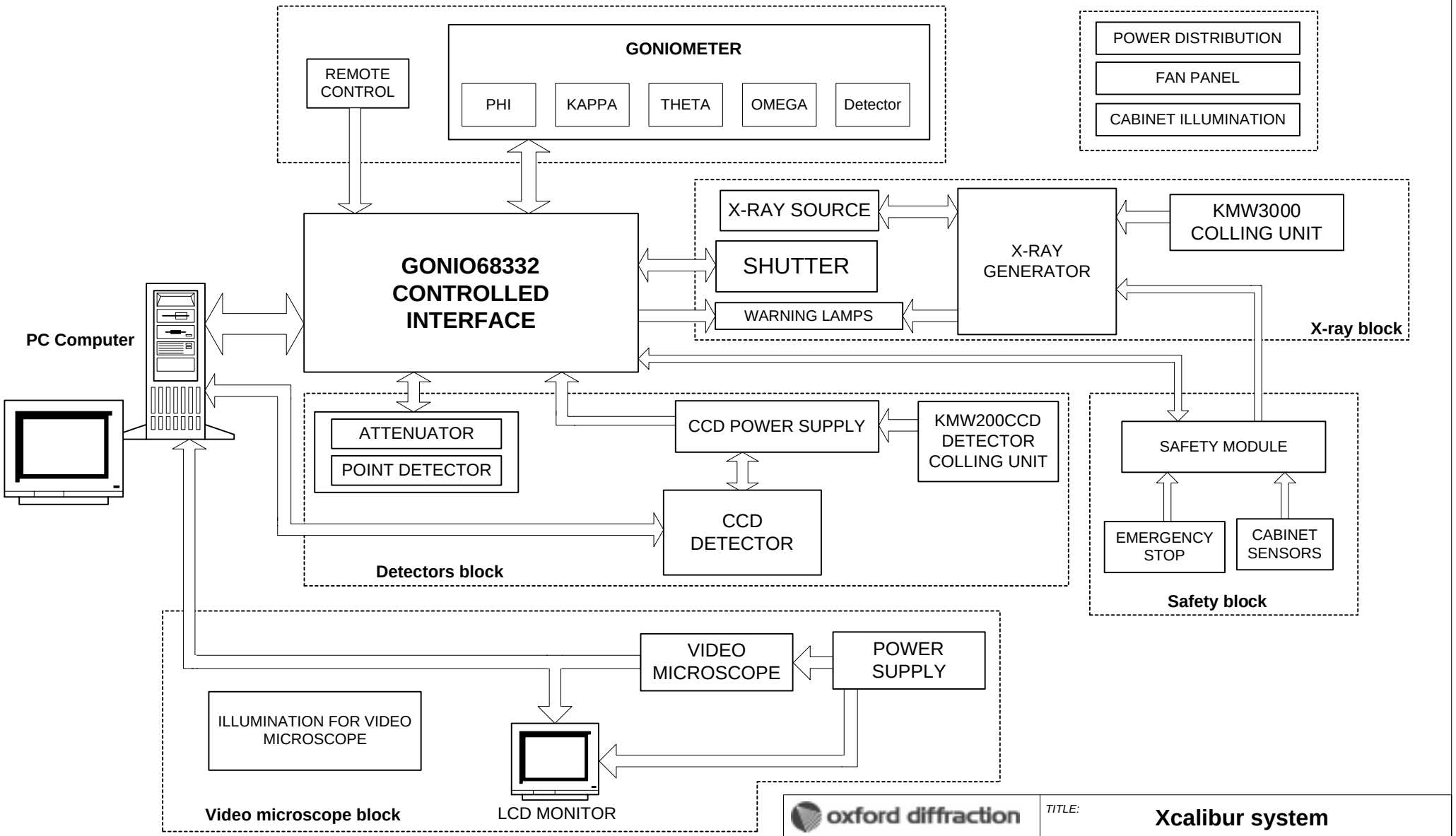
Single Crystal Diffractometer

CE

version 2.05

05.2004 Wrocław

oxford diffraction



A. No.	B	C		
Appr				
Date	06/2003	05/2004		

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DRG NO. **EC-00-00-000-B**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

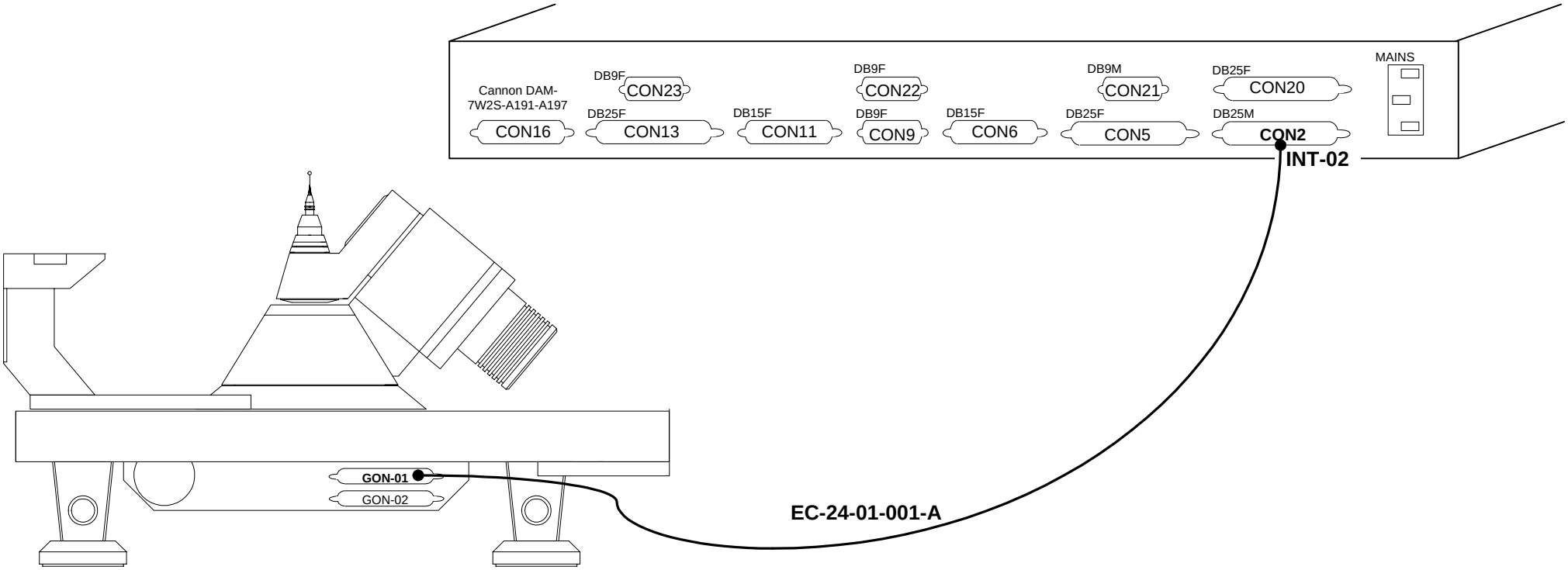
Block diagram

FILE: \workgroups\electronics\Xcalibur\ Electrical Documentation v200\

REV. C

DATE: Nov. 2002

SHEET **1 of 1**



PNS code: **EC-24-01-001-A**	*Length:* **2.5m**	*Drg no.:* **EC-24-01-001-A**
Description: **Encoders communication**		
Cable: **2 x 12 x 0.25 shielded**	*Connector 1:* **INT-02**	*Connector 2:* **GON-01**
	PNS code: **EA-06-00-006-A**	*PNS code:* **EA-06-00-005-A**
PNS code: **EA-05-00-014-A**	*Type:* **DB25 female**	*Type:* **DB25 male**
Type: **LiYCY2x12x0.25 shielded**	*Location:* **Interface – rear panel**	*Location:* **Goniometer**

A. No.	B	C		
Appr				
Date	Dec. 2002	05/2004		

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DRG NO.

EC-24-01-001-A

DRAWN BY: R. S.

APPROWED BY:

TITLE: **Xcalibur system**

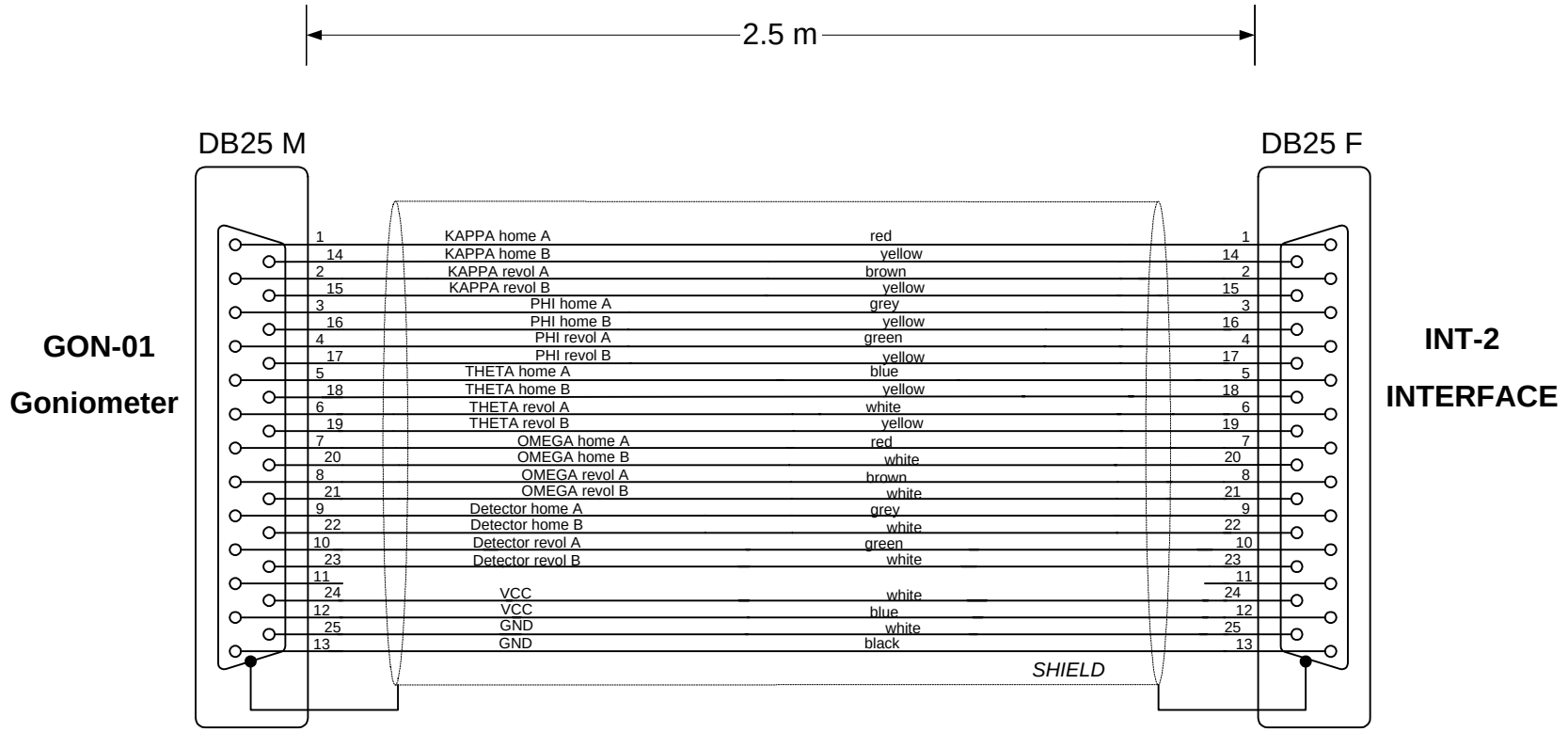
Encoders cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. **C**

DATE: 06/07/2001

SHEET **1 of 2**



A. No.	C	D		
Appr				
Date	Dec. 2002	05/2004		

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DRG NO. **EC-24-01-001-A**

DRAWN BY: R. S.

APPROWED BY:

TITLE: **Xcalibur system**

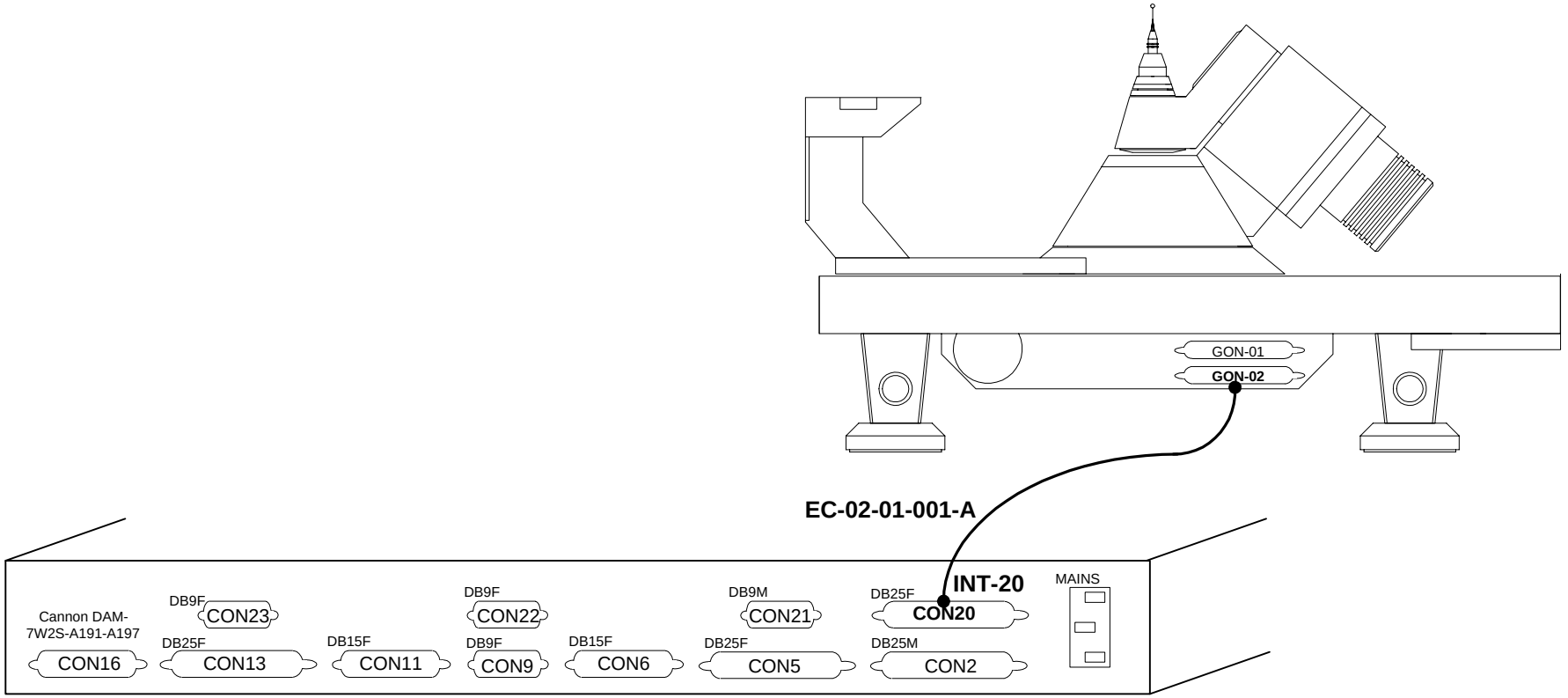
Encoders cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. D

DATE: 04/07/2001

SHEET **2 of 2**



PNS code: **EC-02-01-001-A**		*Length:* **2.5m**	*Drg no.:* **EC-02-01-001-A**
Description: **Stepping motor supply**			
Cable: **2 x 12 x 0.25 mm2 shielded**	*Connector 1:* **INT-20**		*Connector 2:* **GON-02**
	PNS code: **EA-06-00-005-A**		*PNS code:* **EA-06-00-006-A**
PNS code: **EA-05-00-014-A**	*Type:* **DB25 male**		*Type:* **DB25 female**
Type: **LiYCY2x12x0.25 shielded**	*Location:* **Interface – rear panel**		*Location:* **Goniometer**

A. No.	B	C		
Appr				
Date	12/2002	05/2004		

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DRG NO.

EC-02-01-001-A

DRAWN BY: R. S.

APPROWED BY:

TITLE:

Xcalibur system

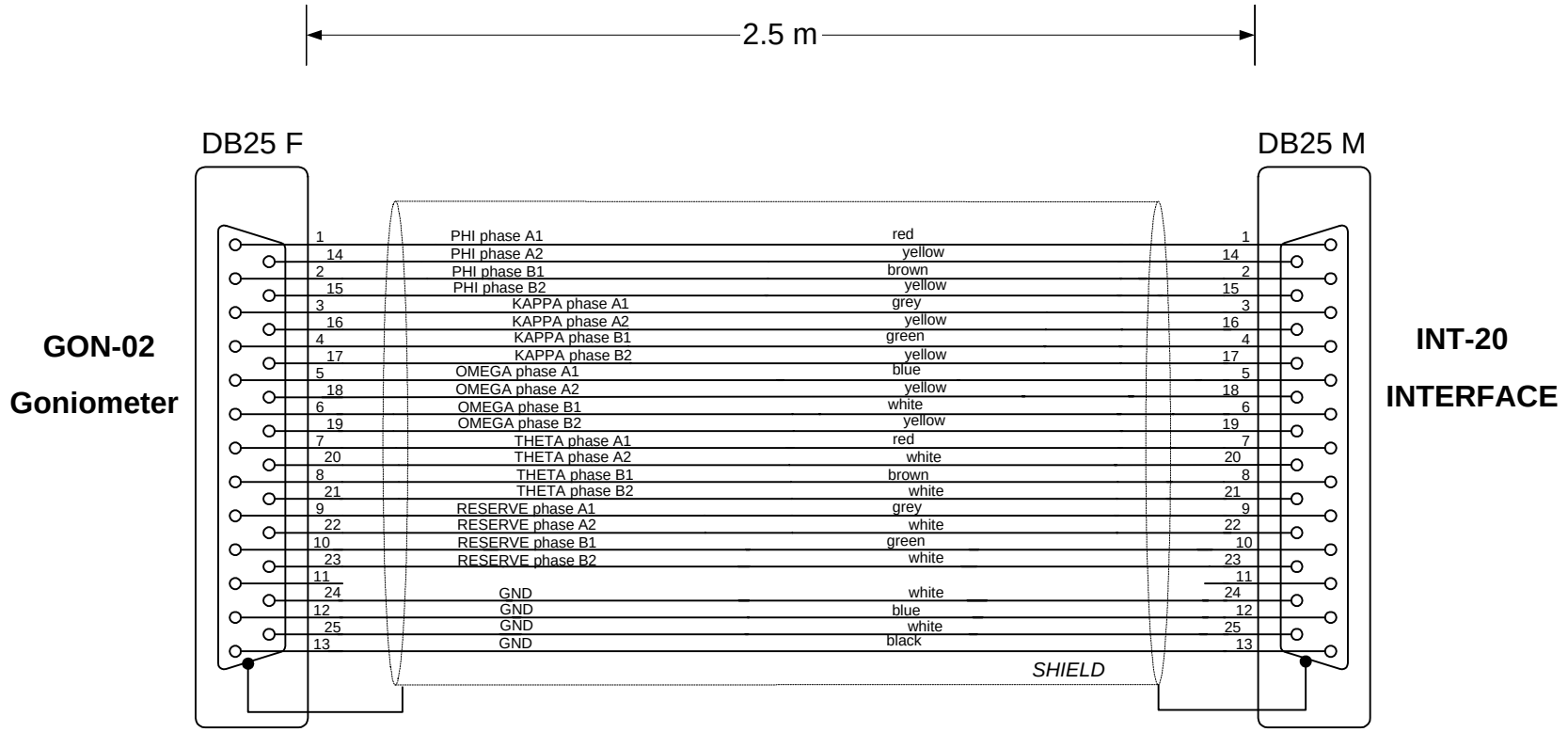
Stepping motors cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. C

DATE: 06/07/2001

SHEET **1 of 2**



A. No.	C	D		
Appr				
Date	12/2002	05/2004		

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DRG NO. **EC-02-01-001-A**

DRAWN BY: R. S.

APPROWED BY:

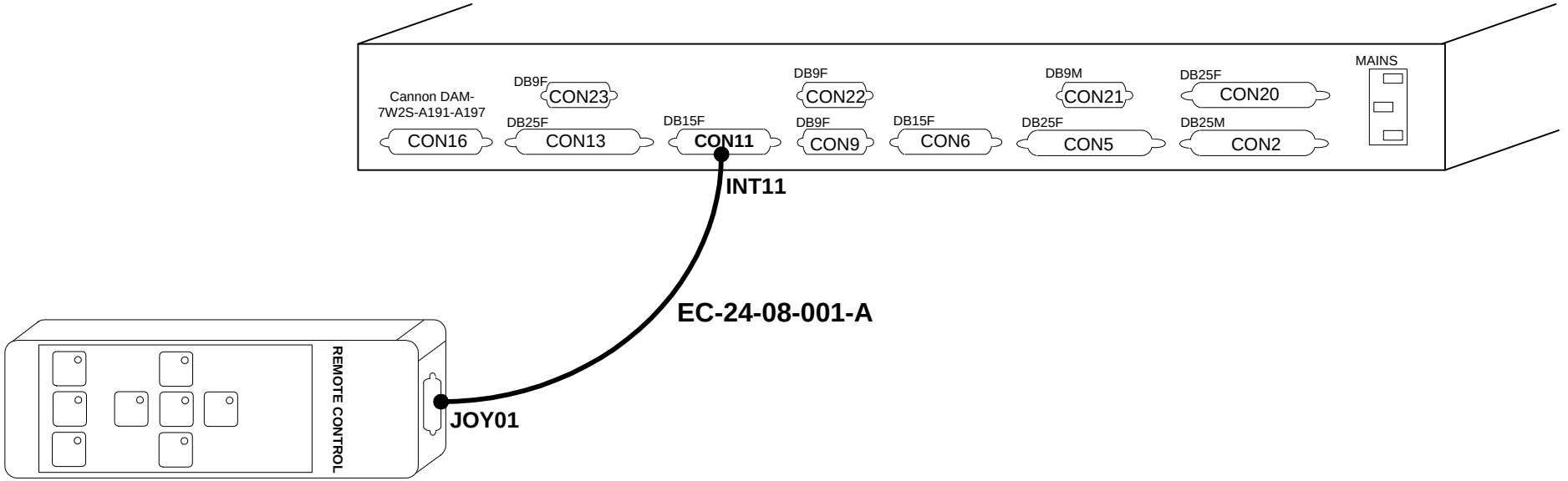
TITLE: **Xcalibur system**
Stepping motors cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. D

DATE: 04/07/2001

SHEET **2 of 2**



PNS code: **EC-24-08-001-A**		*Length:* **2.9m**	*Drg no.:* **EC-24-08-001-A**
Description:			
Cable: **10 x 0.14 mm2 shielded**	*Connector 1:* **INT-11**		*Connector 2:* **JOY-01**
	PNS code: **EA-06-00-003-A**		*PNS code:* **EA-06-00-003-A**
PNS code: **EA-05-00-004-A**	*Type:* **DB15 male**		*Type:* **DB15 male**
Type: **LiYCY10x0.14 shielded**	*Location:* **Interface – rear panel**		*Location:* **Terminal**

A. No.	B			
Appr				
Date	05/2004			

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DRG NO. **EC-24-08-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

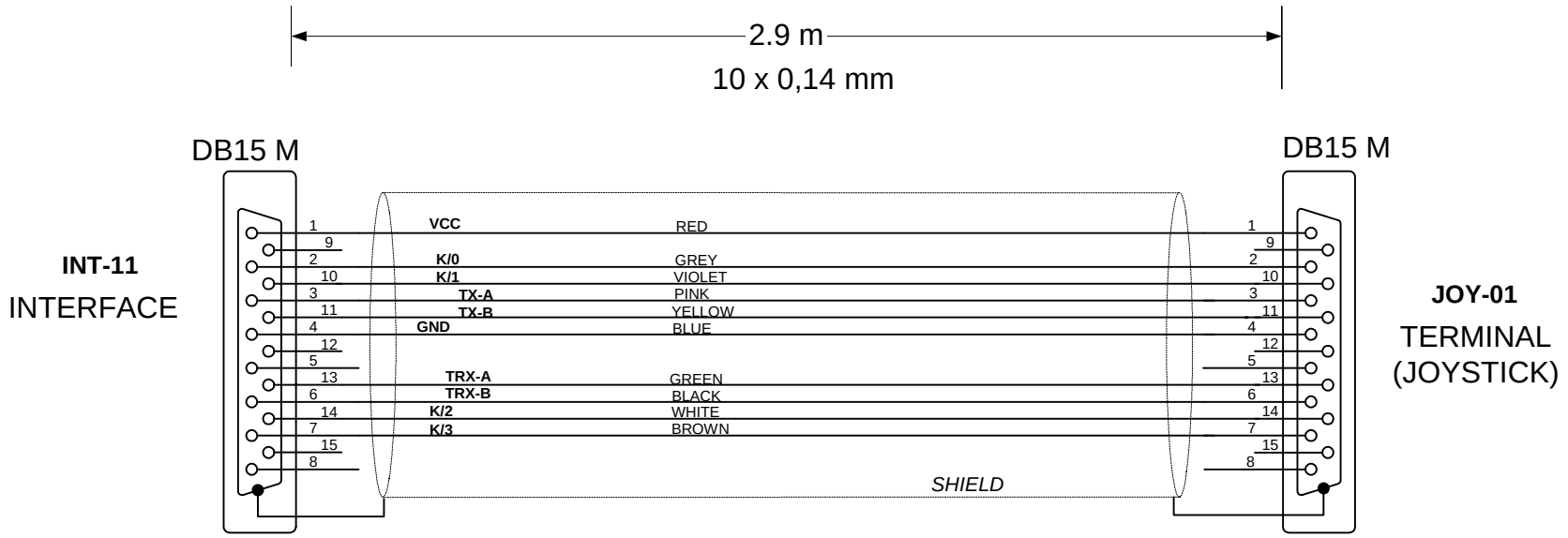
Remote control cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. B

DATE: 09/07/2001

SHEET **1 of 2**



A. No.	B			
Appr				
Date	05/2004			

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DRG NO. **EC-24-08-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

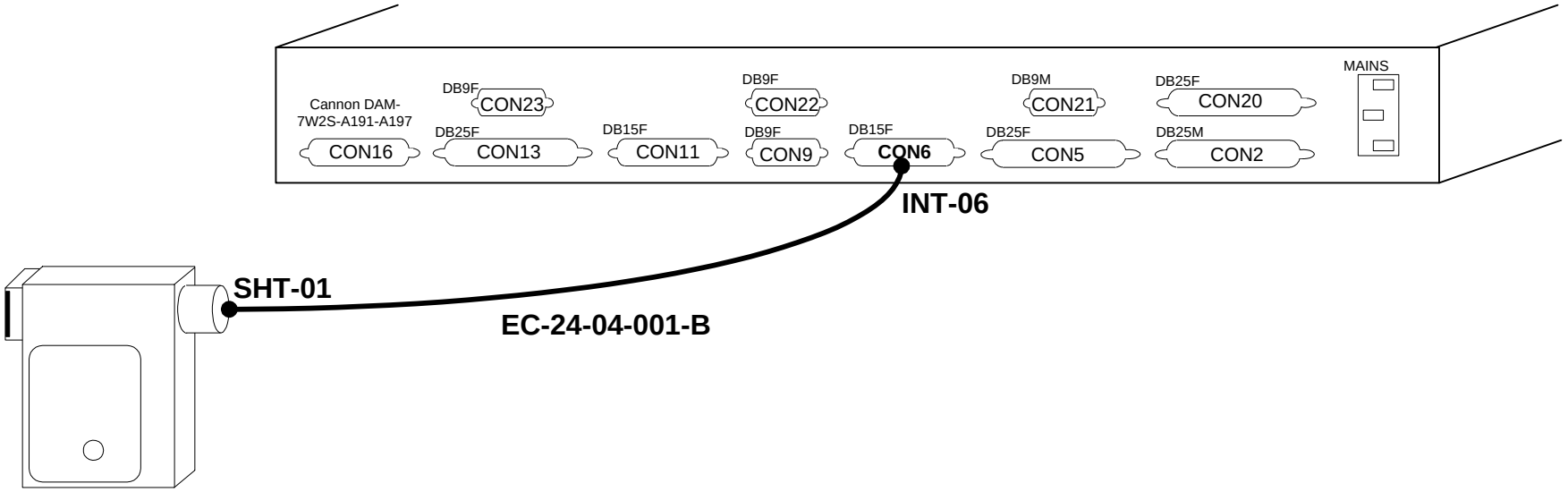
Remote control cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. B

DATE: 09/07/2001

SHEET **2 of 2**



PNS code: **EC-24-04-001-B**		*Length:* **2,1m**	*Drg no.:* **EC-24-04-001-A**
Description: **Shutter connections**			
Cable: **10 x 0.14 mm2 shielded**		*Connector 1:* **INT-06**	*Connector 2:* **SHT-01**
		PNS code: **EA-06-00-003-A**	*PNS code:* **EA-06-00-028-A**
PNS code: **EA-05-00-004-A**		*Type:* **DB15 male**	*Type:* **104A056 Fischer**
Type: **LiYCY10x0.14 shielded**		*Location:* **Interface – rear panel**	*Location:* **Shutter**

A. No.	B			
Appr				
Date	05/2004			

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DRG NO.

EC-24-04-001-B

DRAWN BY: **R. S.**

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TITLE: **Xcalibur system**

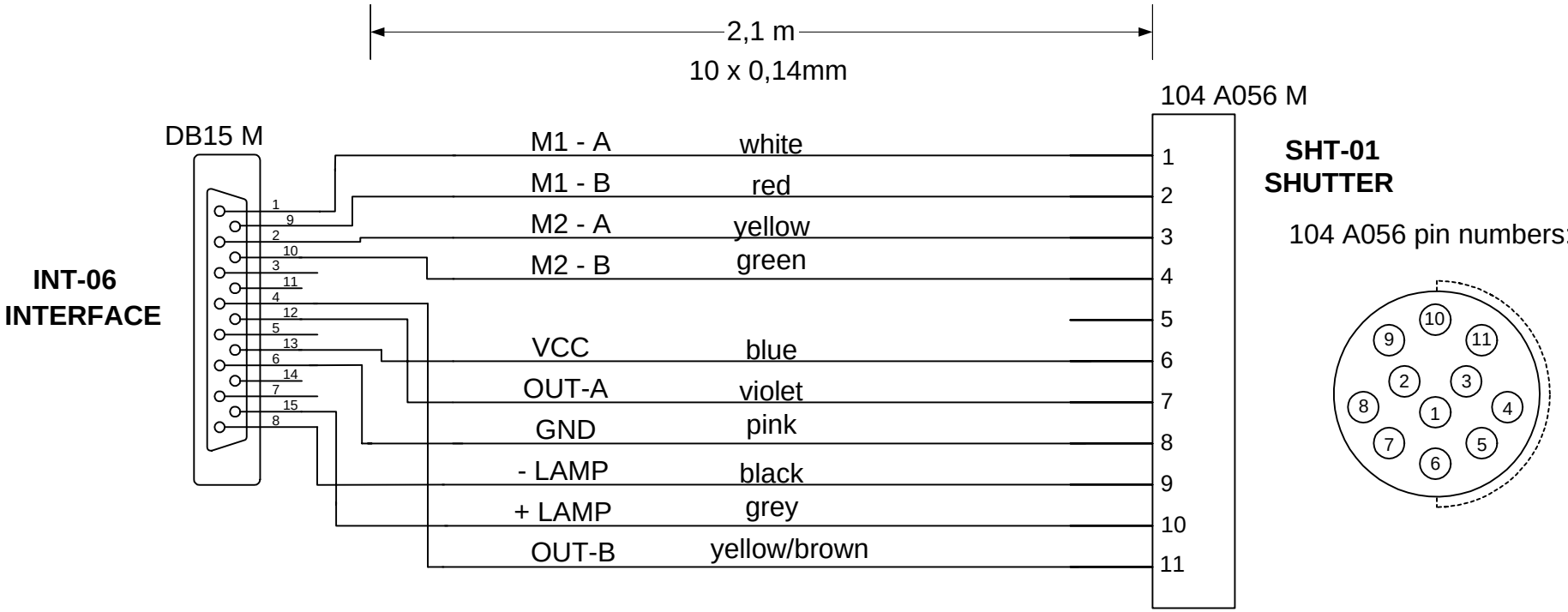
Fast shutter cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. B

DATE: 16/01/2002

SHEET **1 of 2**



A. No.	B	C		
Appr				
Date	7/02/2002	05/2004		

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DRG NO. **EC-24-04-001-B**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

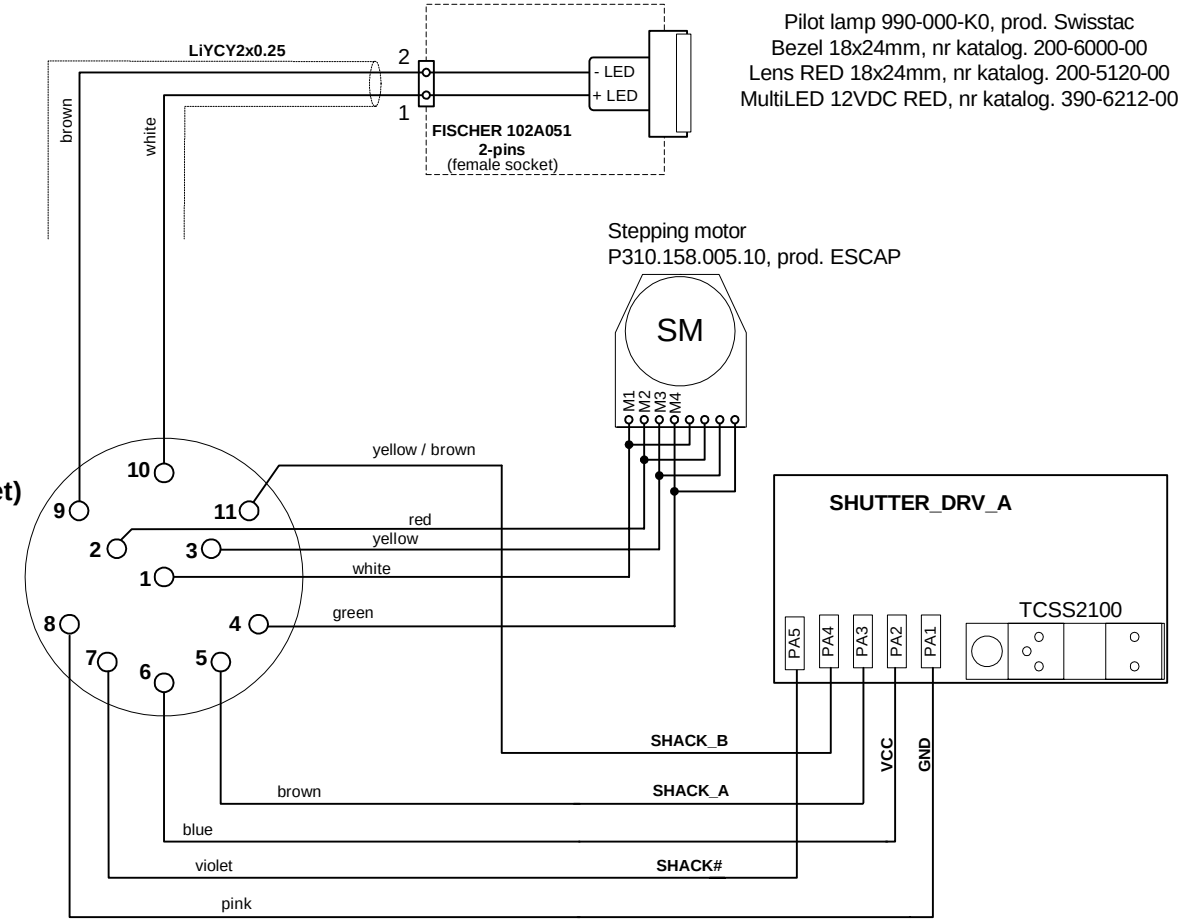
Fast shutter cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. C

DATE: 16/01/2002

SHEET **2 of 2**



104A056 Pin no.	Description	Cable color
1	M1 stepping motor	White
2	M2 stepping motor	Red
3	M3 stepping motor	Yellow
4	M4 stepping motor	Green
5	SHACK_A	Brown
6	VCC (+5V)	Blue
7	SHACK# (TTL_OUT)	Violet
8	GND	Pink
9	LED -	BROWN
10	LED +	WHITE
11	SHACK_B	Yellow/Brown

A. No.	A	B	C	D
Appr				
Date	16/01/2002	5/03/2002	6/05/2002	4/09/2002

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DRG NO. **OD-1-06-30**

DRAWN BY: **R. S.**

APPROWED BY:

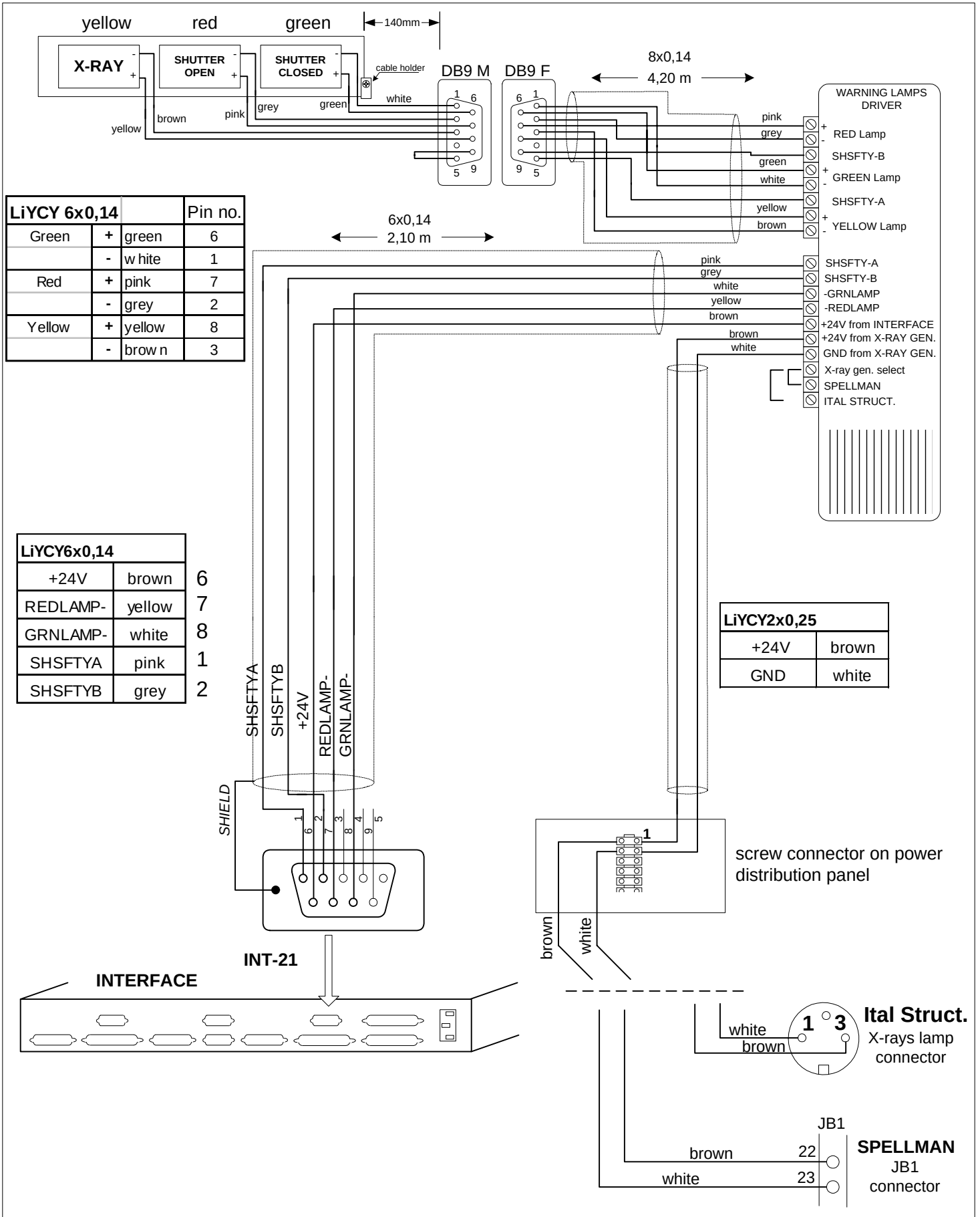
TITLE: **ENHANCE ULTRA**
Shutter connections

FILE: \electronics\xcalibur\Electrical documentation v200

REV. **D**

DATE: 09.01.2002

SHEET **1 of 1**



LiYCY 6x0,14			Pin no.
Green	+	green	6
	-	white	1
Red	+	pink	7
	-	grey	2
Yellow	+	yellow	8
	-	brown	3

LiYCY6x0,14		
+24V	brown	6
REDLAMP-	yellow	7
GRNLAMP-	white	8
SHSFTYA	pink	1
SHSFTYB	grey	2

LiYCY2x0,25	
+24V	brown
GND	white

A. No.	B	C	
Appr			
Date	03/2003	05/2004	

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DRG NO. **EC-02-04-001-B**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

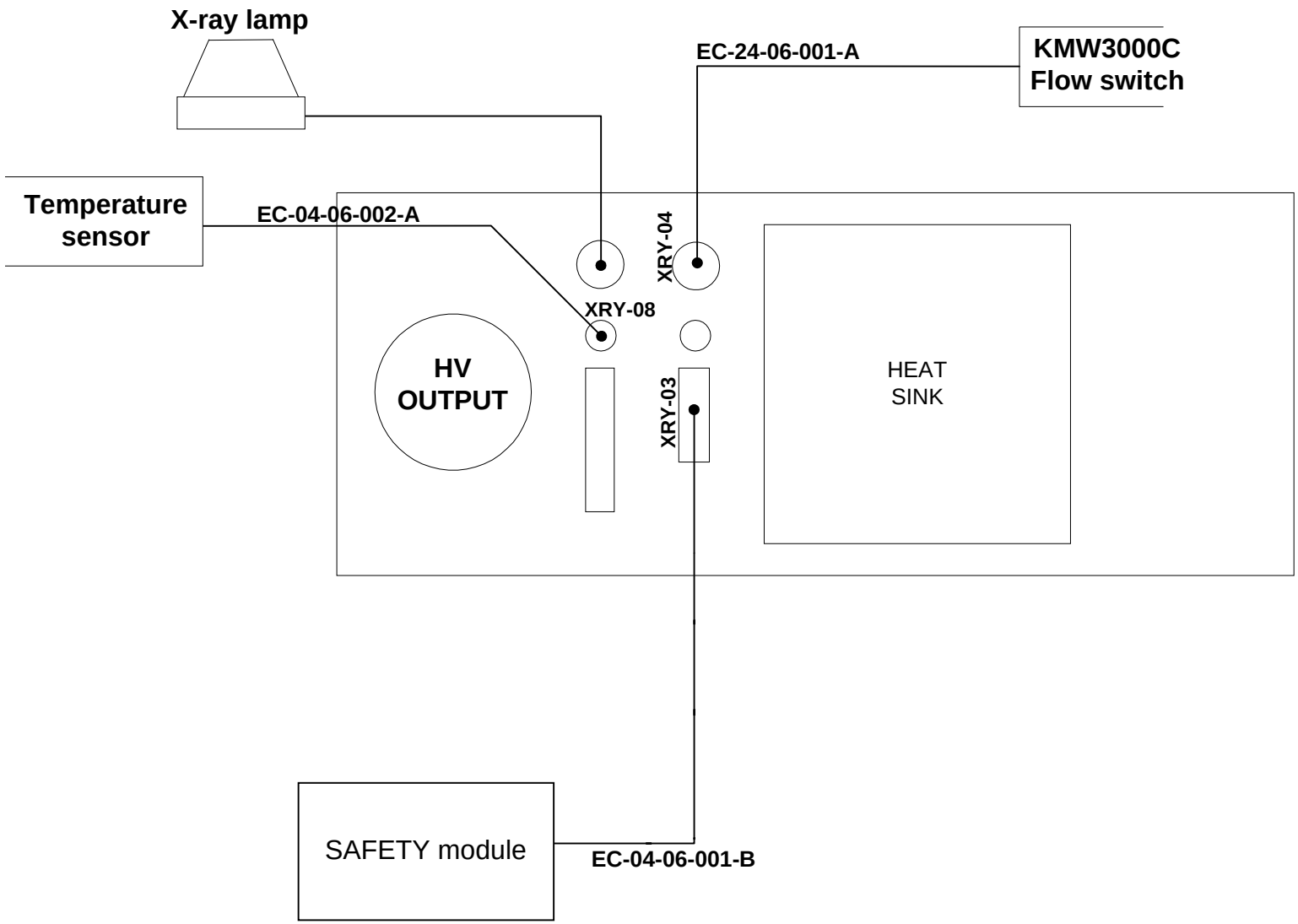
Warning lamps

FILE: \\KUMA\workgroups\electronics\xcalibur\

REV. **C**

DATE: 03/2003

SHEET **1 of 1**



A. No.				
Appr				
Date				

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DRG NO. **OD-1-06-25**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **C3K5 x-ray generator**

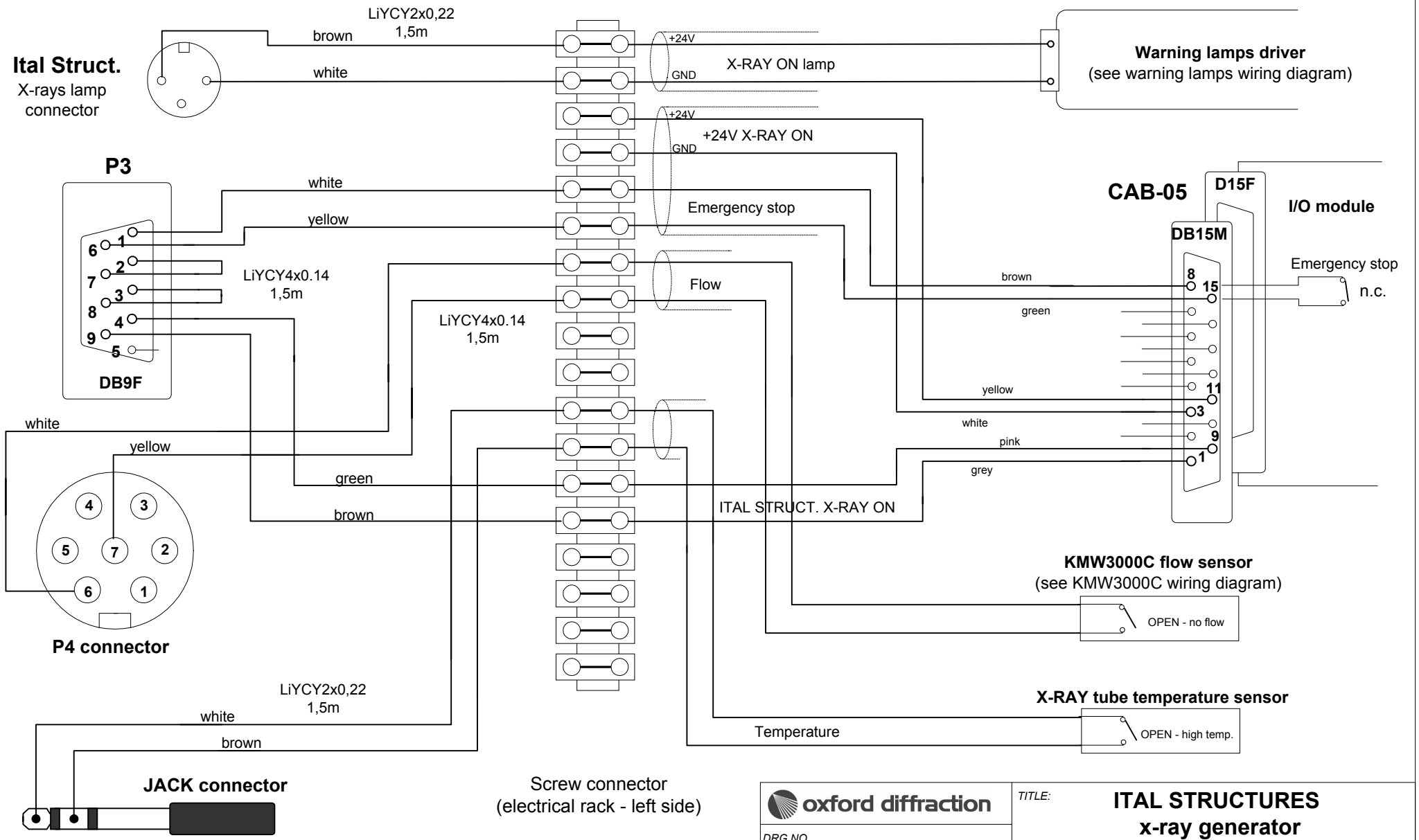
Rear panel

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. A

DATE: July 26, 1999

SHEET **1 of 1**



A. No.	A			
Appr				
Date	04/2003			

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DRG NO. **EC-24-06-001-D**

DRAWN BY: **R. S.**

APPROWED BY:

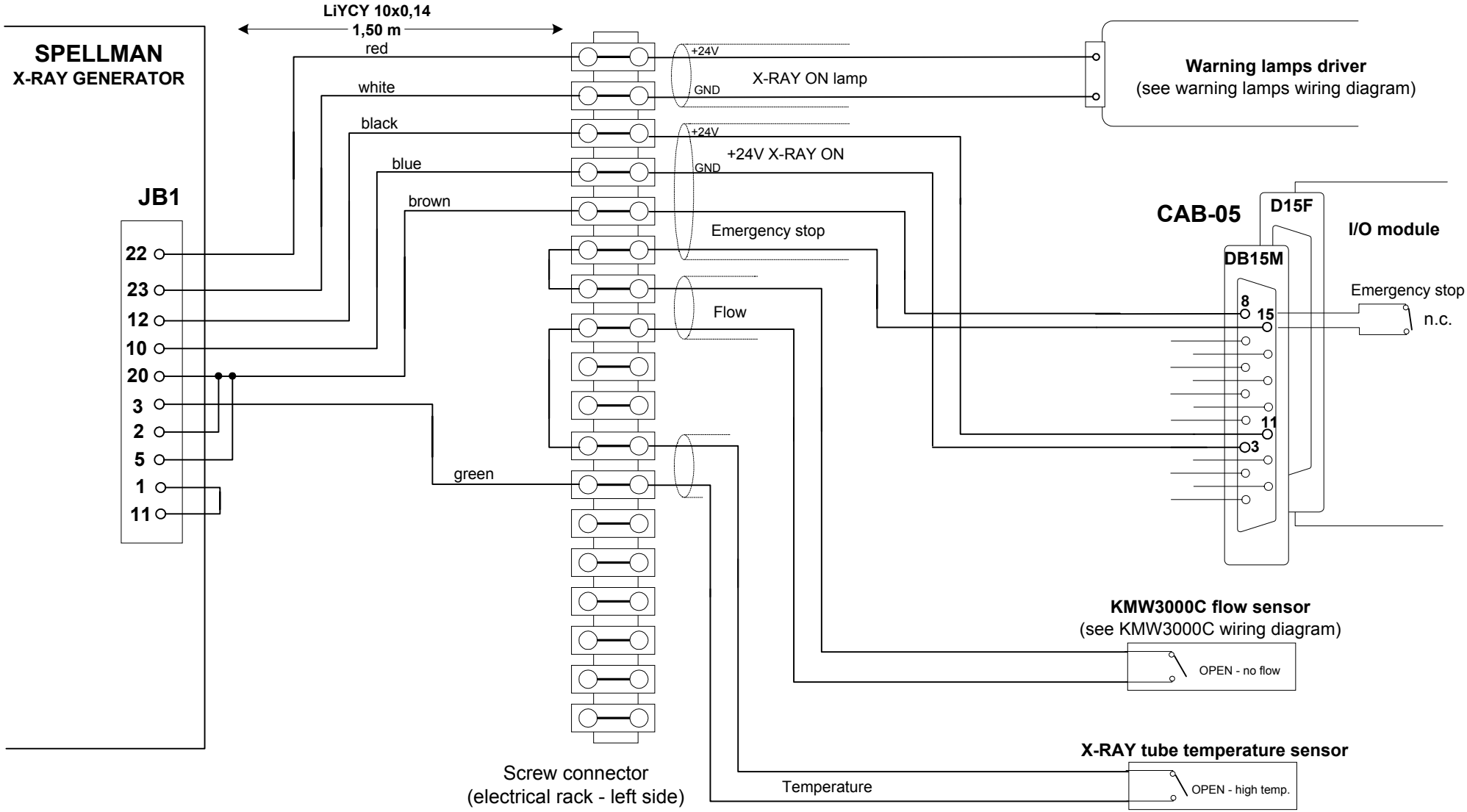
TITLE: **ITAL STRUCTURES x-ray generator Safety connections**

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. **A**

DATE: 04.2003

SHEET **1 of 1**



A. No.	A			
Appr				
Date	28/03/2003			

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DRG NO. **EC-24-06-001-C**

DRAWN BY: **R. S.**

APPROWED BY:

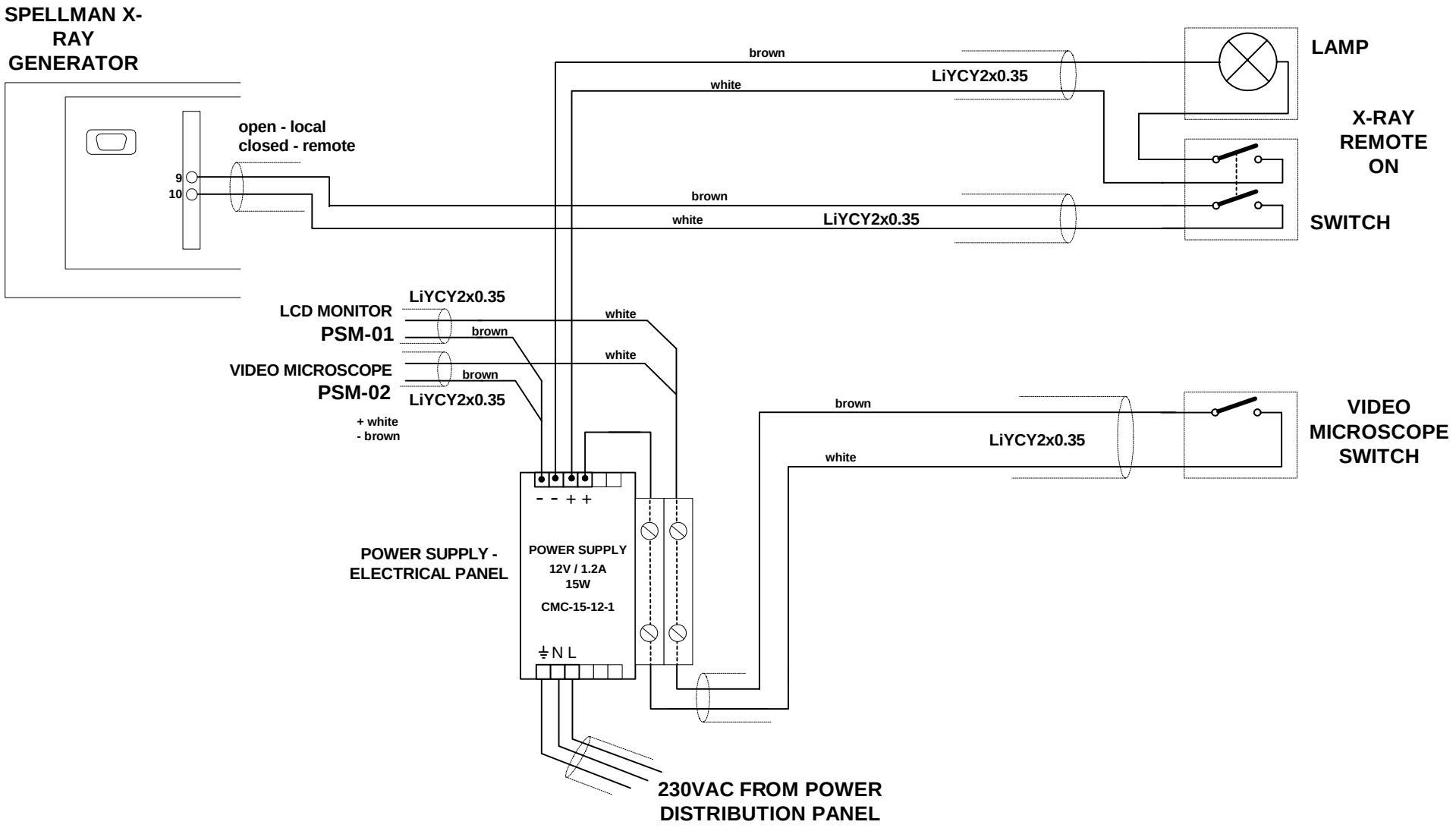
TITLE: **SPELLMAN x-ray generator**
Safety connections

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. **A**

DATE: 01.2002

SHEET **1 of 1**



A. No.				
Appr				
Date				

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DRG NO. **EC-24-07-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur PX system**
Electrical panel - x-ray remote switch

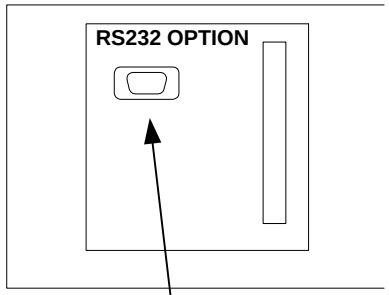
FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

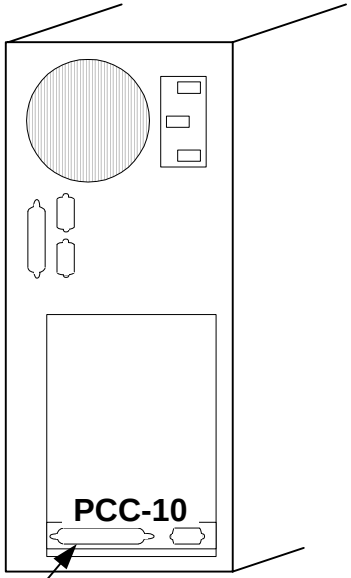
REV. **A**

DATE: 08.2003

SHEET **1 of 1**

SPELLMAN X-RAY GENERATOR





LiYCY 4x0.14
8.20m

DB25 F

DB9 M

SPE-10
RS232 option

2	yellow	RxD	green 2
3	green	TxD	yellow 3
5	white	GND	white 7
		shield	

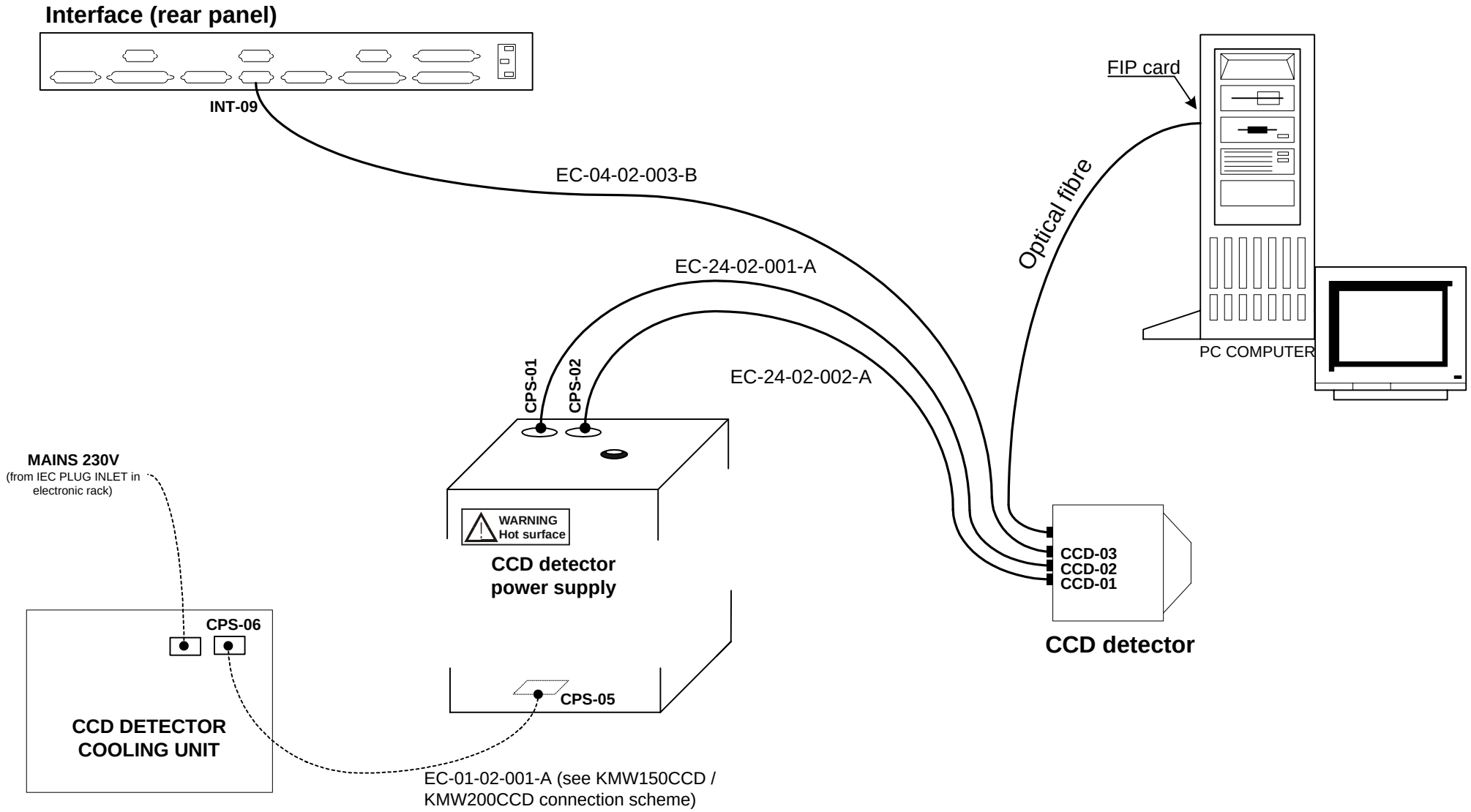
PCC-10
PC serial port

A. No.				oxford diffraction
Appr				*DRG NO.* **EC-24-06-001-D**
Date				*DRAWN BY:* **R. S.**
				APPROWED BY:

TITLE: **SPELLMAN x-ray generator RS232 cable**

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\ *REV.* **A**

DATE: 10.2003 SHEET **1 of 1**



A. No.	B	C		
Appr				
Date	06/2003	05/2004		

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TITLE: **Xcalibur system**

CCD detector connections

DRG NO. **OD-1-04-01**

DRAWN BY: R. S.

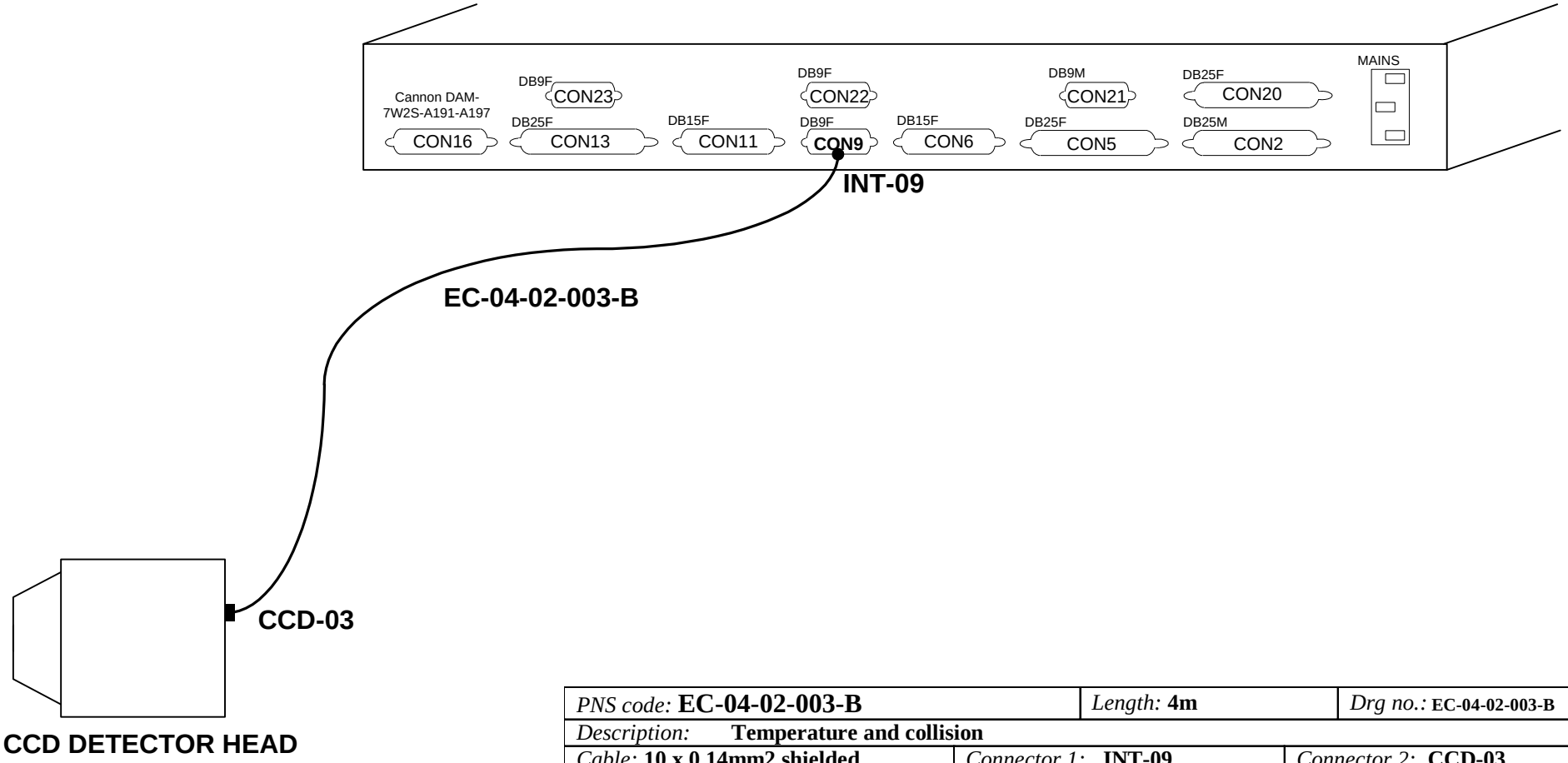
APPROWED BY:

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. C

DATE: 04/07/2001

SHEET **1 of 1**



PNS code: **EC-04-02-003-B**	*Length:* **4m**	*Drg no.:* **EC-04-02-003-B**
Description: **Temperature and collision**		
Cable: **10 x 0.14mm2 shielded**	*Connector 1:* **INT-09**	*Connector 2:* **CCD-03**
	PNS code: **EA-06-00-001-A**	*PNS code:* **EA-06-00-037-A**
PNS code: **EA-05-00-004-A**	*Type:* **DB9 male**	*Type:* **103A057**
Type: **LiYCY10 x 0.14 shielded**	*Location:* **Interface – rear panel**	*Location:* **CCD detector head**

A. No.				
Appr				
Date				

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DRG NO. **EC-04-02-003-B**

DRAWN BY: **R. S.**

APPROVED BY:

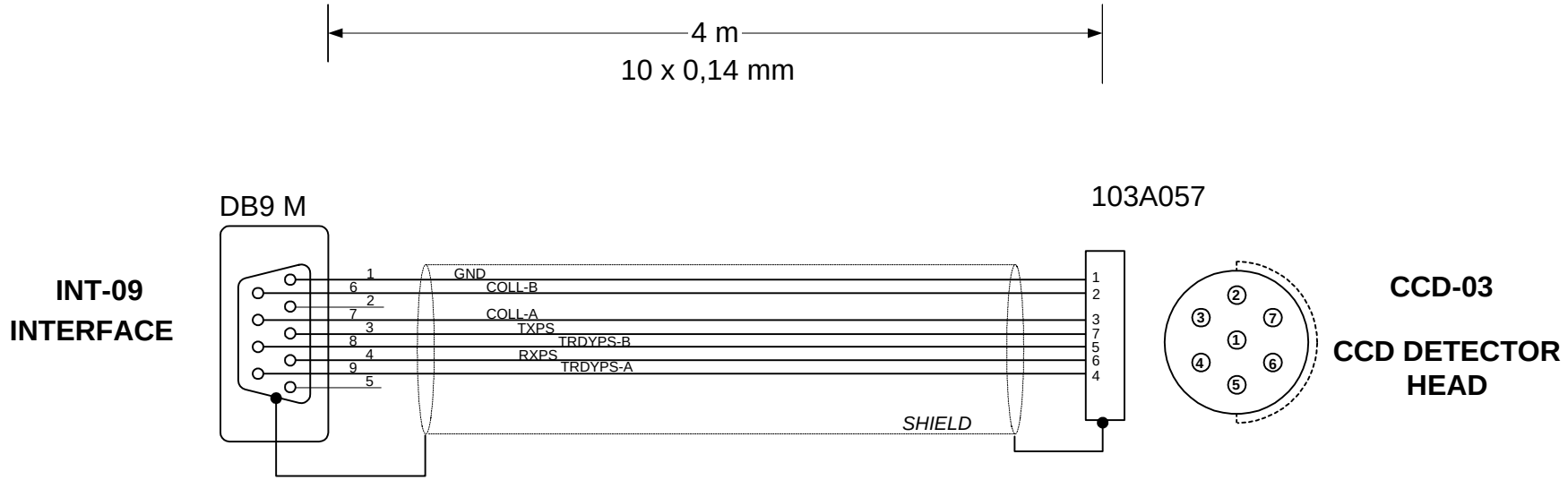
TITLE: **CCD detector - temperature and collision**

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. A

DATE: 06/2003

SHEET **1 of 2**



A. No.				
Appr				
Date				

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DRG NO. **EC-04-02-003-B**

DRAWN BY: **R. S.**

APPROWED BY:

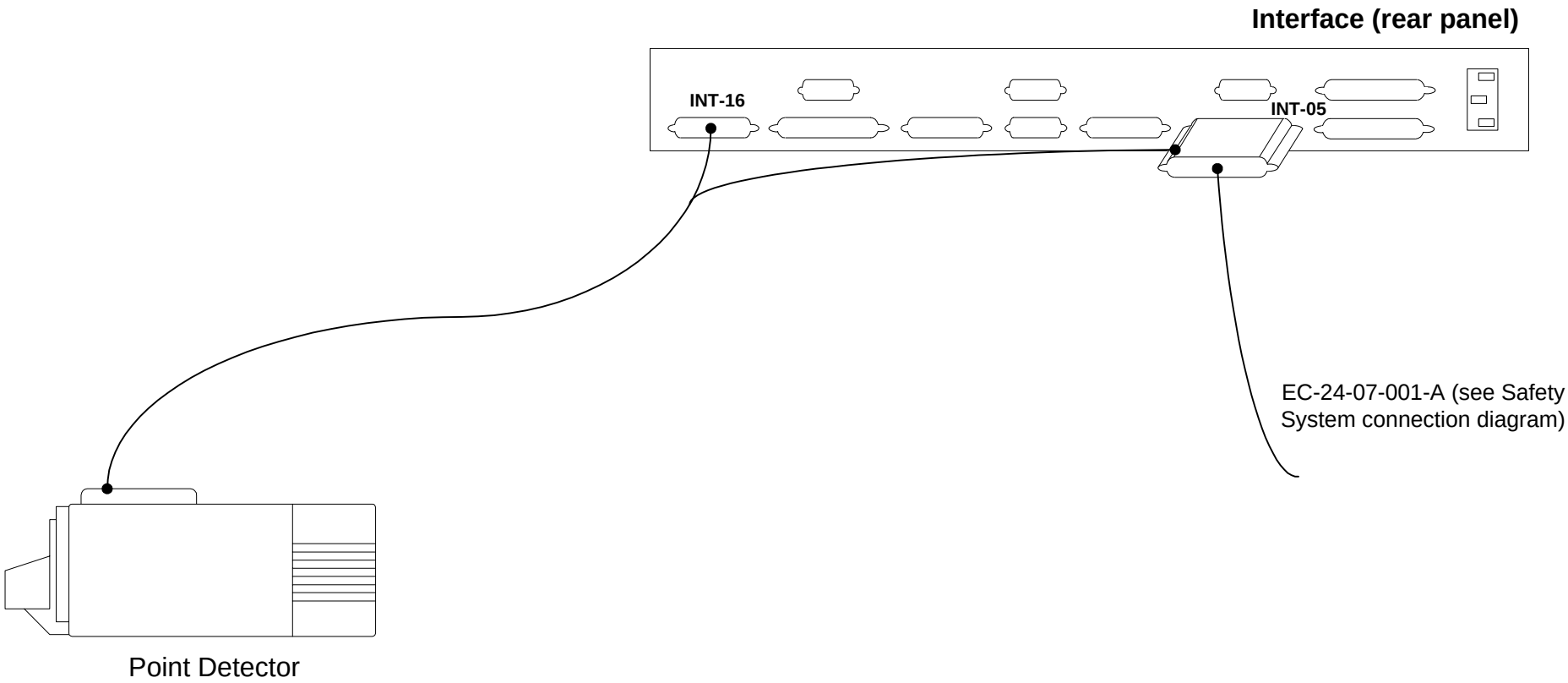
TITLE: **CCD detector - temperature and collision**

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. A

DATE: 06/2003

SHEET **2 of 2**



A. No.				
Appr				
Date				

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DRG NO. **EC-24-02-010-A**

DRAWN BY: R. S.

APPROWED BY:

TITLE: **Xcalibur 2**

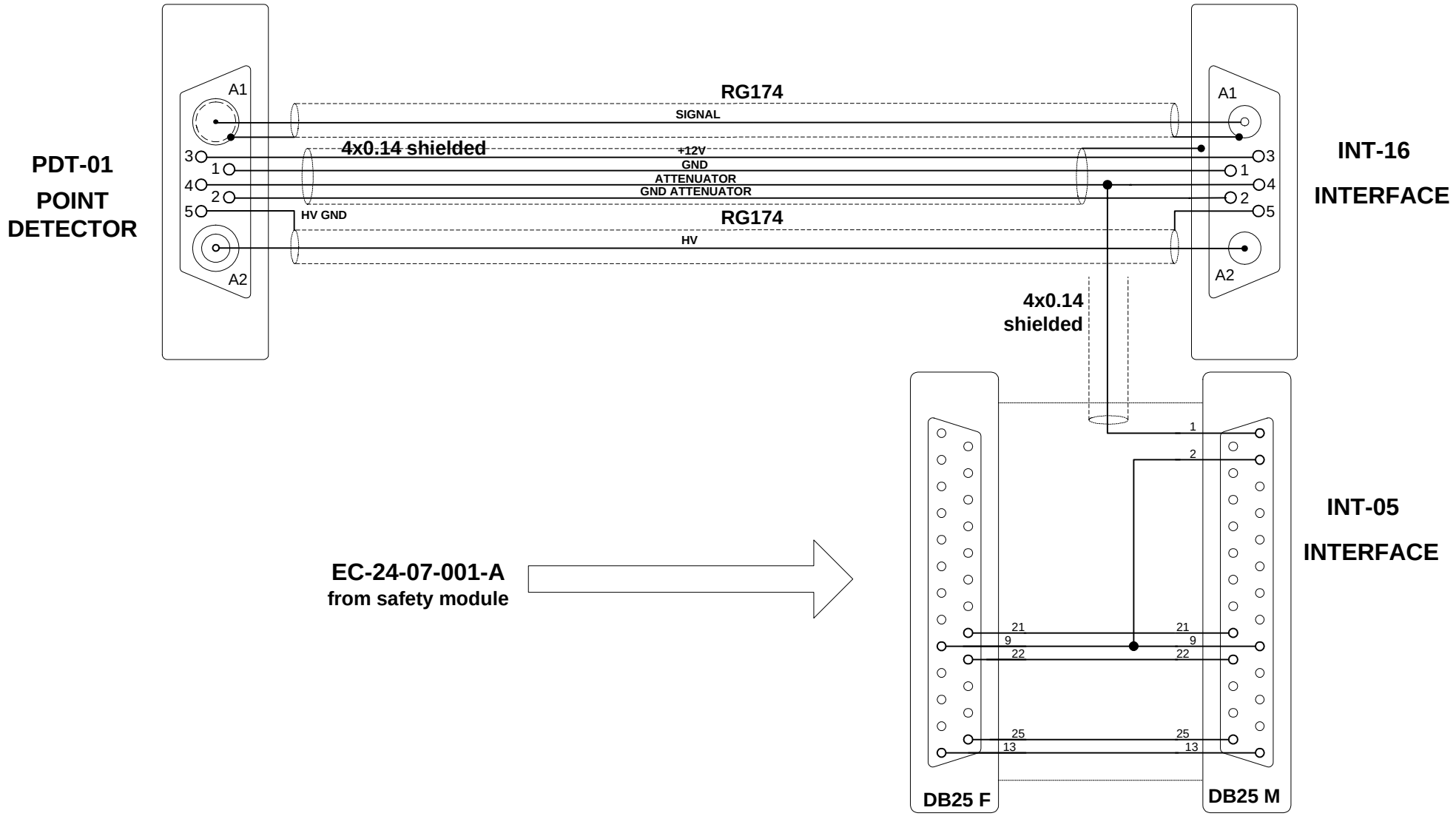
Point Detector connections

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. A

DATE: Nov. 2002

SHEET **1 of 2**



A. No.				
Appr				
Date				

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DRG NO. **EC-24-02-010-A**

DRAWN BY: R. S.

APPROWED BY:

TITLE: **Xcalibur system**

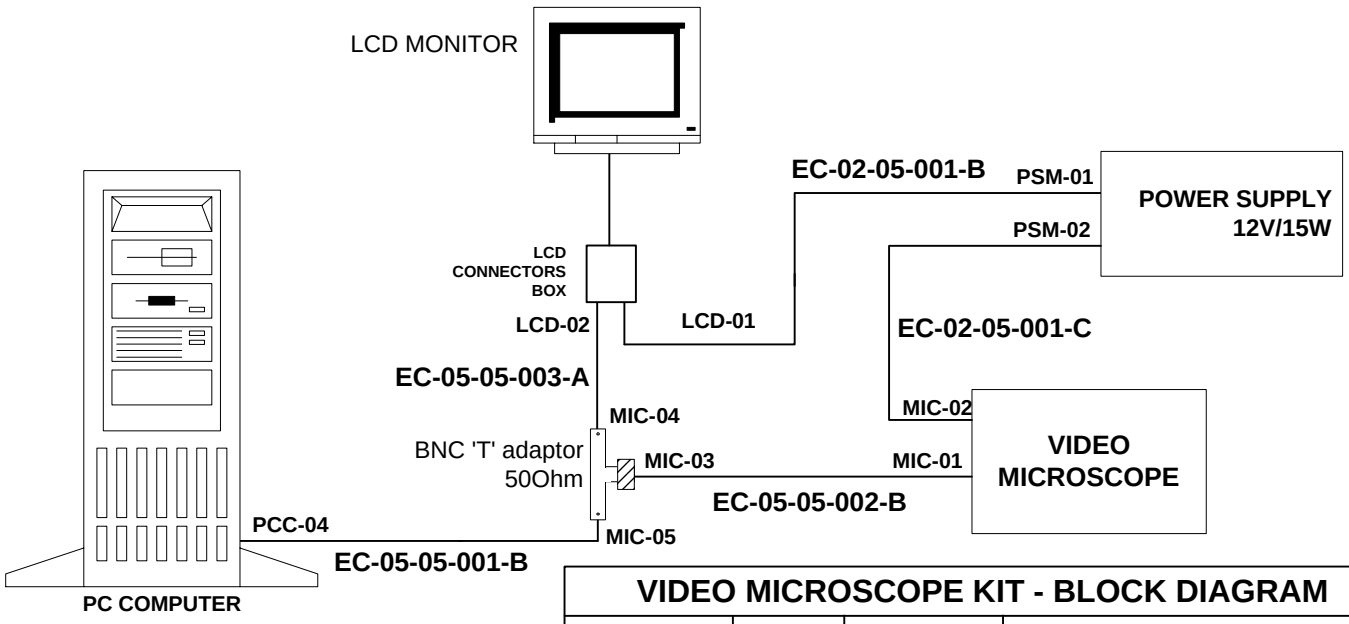
Point Detector connections

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

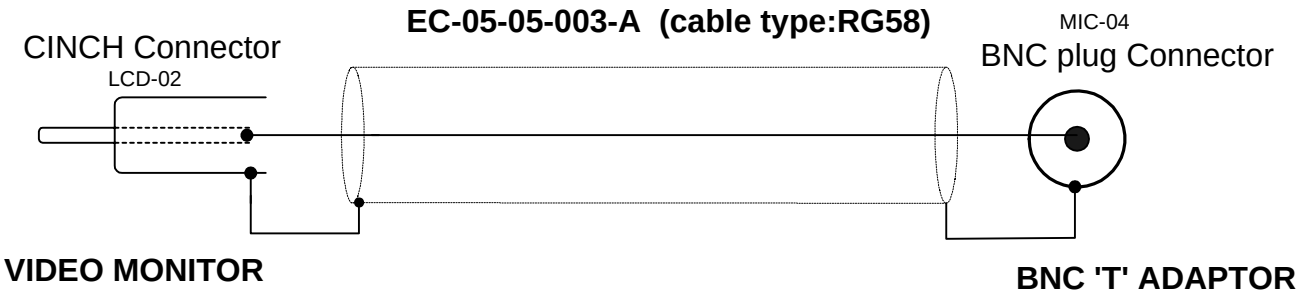
REV. A

DATE: Nov. 2002

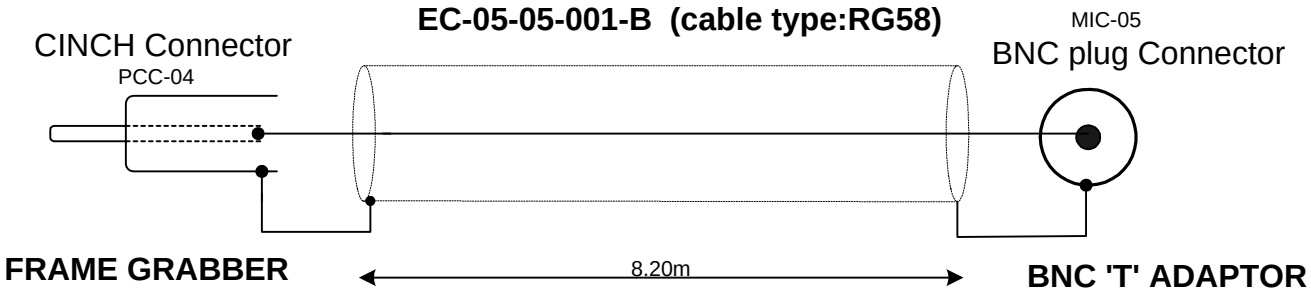
SHEET **2 of 2**



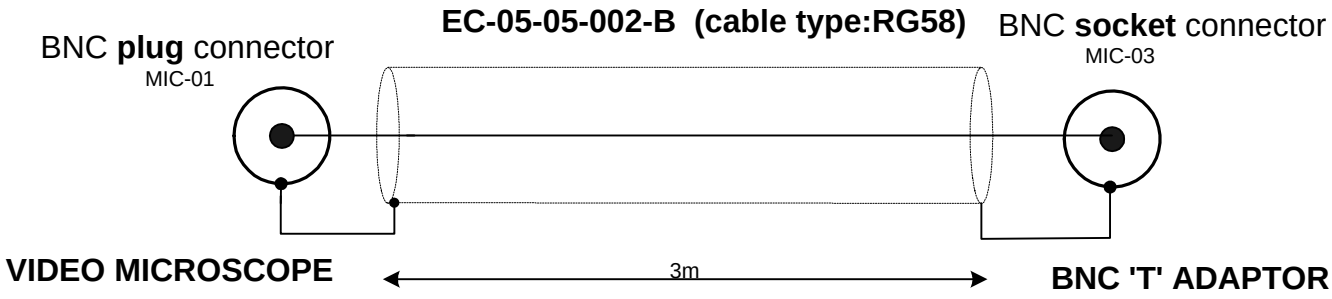
VIDEO MICROSCOPE KIT - BLOCK DIAGRAM			
OD-1-07-01	Rev. E	19/11/2003	\\electronics\xcalibur\gonio68332\ Dokumentacja_elektryczna\Microscope



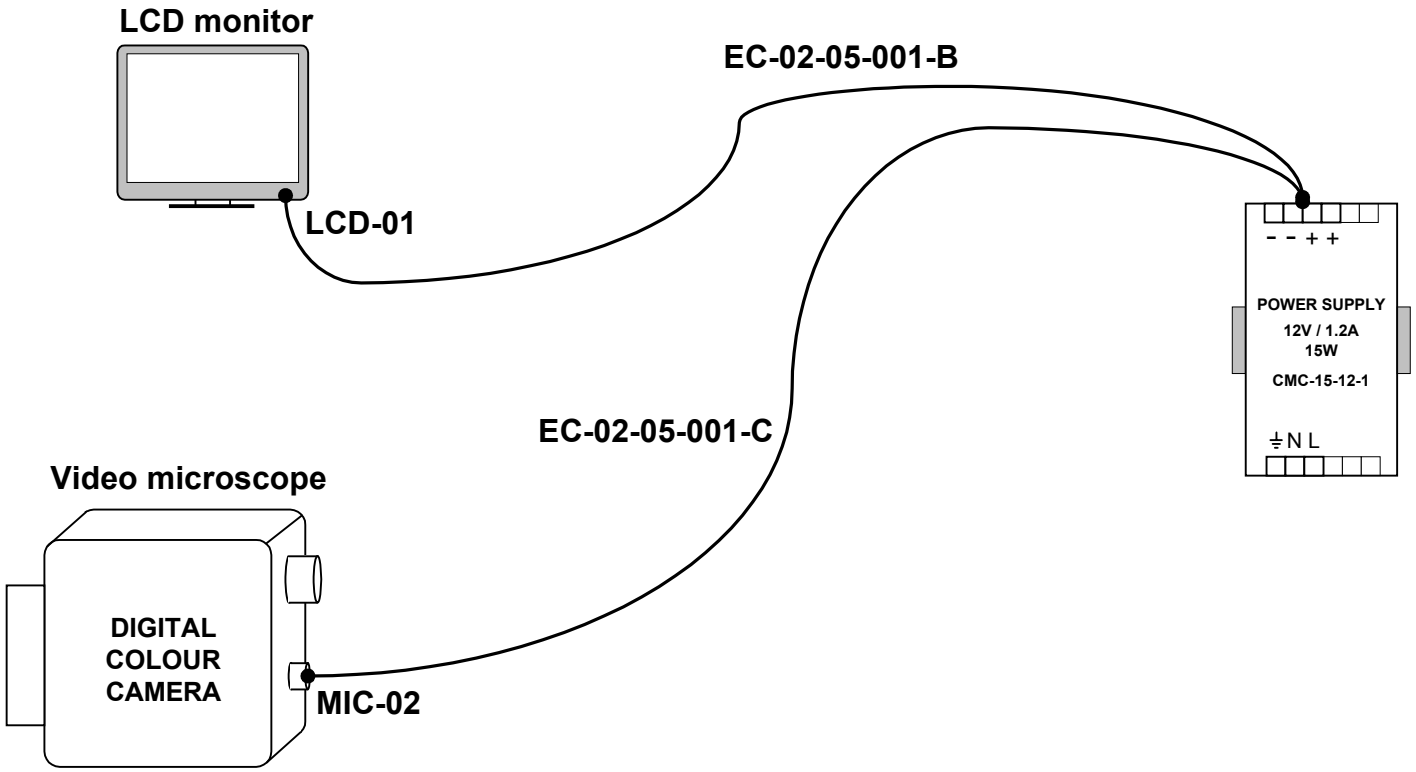
EC-05-05-003-A - BNC 'T' ADAPTOR TO MONITOR CABLE			
OD-1-07-04		27/08/2002	\electronics\xcalibur\gonio68332\ Dokumentacja_elektryczna\Microscope



EC-05-05-001-B - BNC 'T' ADAPTOR TO FRAME GRABBER CABLE			
OD-1-07-03	Rev. E	27/08/2002	\electronics\xcalibur\gonio68332\ Dokumentacja_elektryczna\Microscope



EC-05-05-002-B - VIDEO MICROSCOPE TO BNC 'T' ADAPTOR CABLE			
OD-1-07-02	**Rev. D**	**27/08/2002**	\electronics\xcalibur\gonio68332\Dokumentacja_elektryczna\Microscope



PNS code: **EC-02-05-001-B, EC-02-05-001-C**	*Length:* **2x1.2m**	*Drg no.:* **EC-02-05-001-B**	
Description: **LCD monitor and video microscope supply**			
Cable: **2 x 0.35mm2 shielded**	*Connector 1:* **PSM-01, PSM-02**	*Connector 2:* **MIC-02**	*Connector 3:* **LCD-01**
	PNS code:	*PNS code:* **EA-06-00-018-A**	*PNS code:* **EA-06-00-018-A**
PNS code: **EA-05-00-015-A**	*Type:* **screw connector**	*Type:* **T252**	*Type:* **T252**
Type: **LiYCY2x0.35mm2**	*Location:* **power supply**	*Location:* **Video microscope**	*Location:* **LCD monitor**

A. No.				
Appr				
Date				

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DRG NO.

EC-02-05-001-B

DRAWN BY: **R. S.**

APPROWED BY:

TITLE:

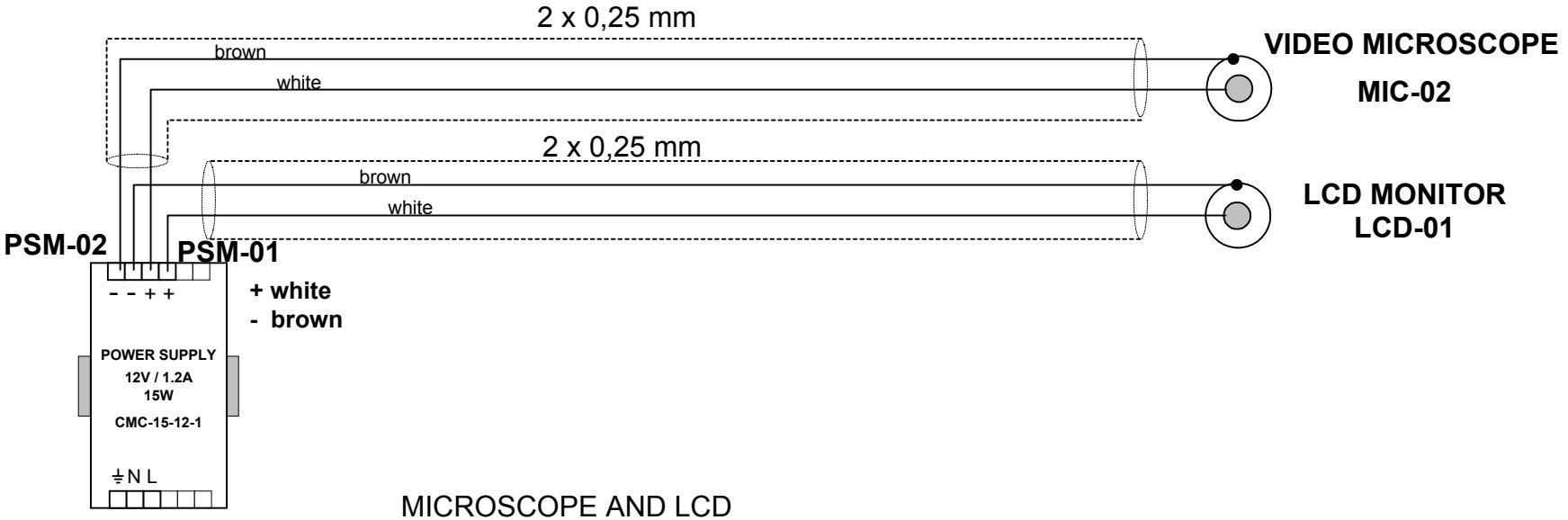
LCD monior and video microscope power supply cable

FILE: \\KUMA\workgroups\electronics\gonio68332\cables

REV. A

DATE: 06/2003

SHEET **1 of 2**



A. No.				
Appr				
Date				

oxford diffraction

DRG NO.

EC-02-05-001-B

DRAWN BY: **R. S.**

APPROWED BY:

TITLE:

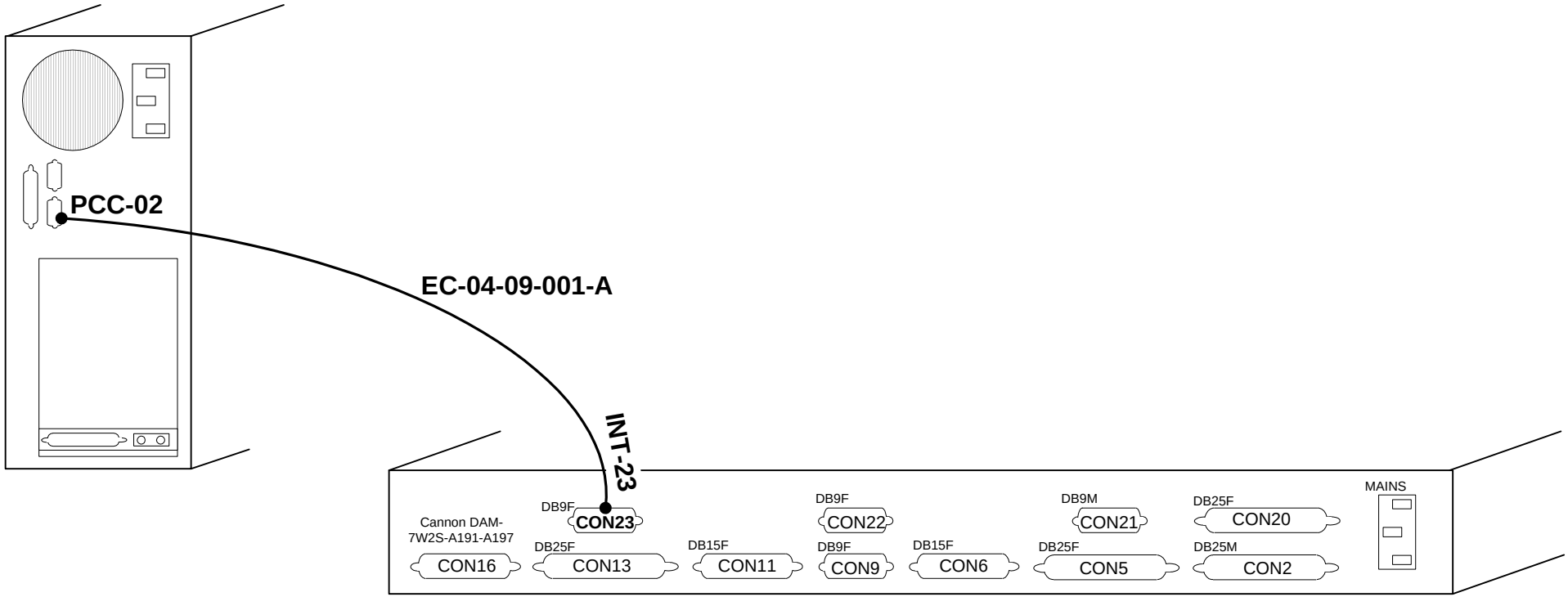
LCD monior and video microscope power supply cable

FILE: \\KUMA\workgroups\electronics\gonio68332\cables

REV.

DATE: 06/2003

SHEET **2 of 2**



PNS code: **EC-04-09-001-A**	*Length:* **8,80m**	*Drg no.:* **EC-04-09-001-A**
Description: **Interface communication**		
Cable: **4 x 0.14mm2 shielded**	*Connector 1:* **INT-23**	*Connector 2:* **PCC-02**
	PNS code: **EA-06-00-001-A**	*PNS code:* **EA-06-00-002-A**
PNS code: **EA-05-00-002-A**	*Type:* **DB9 male**	*Type:* **DB9 female**
Type: **LiYCY4 x 0.14 w ekranie**	*Location:* **Interface – rear panel**	*Location:* **PC (serial port)**

A. No.				
Appr				
Date				

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DRG NO. **EC-04-09-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

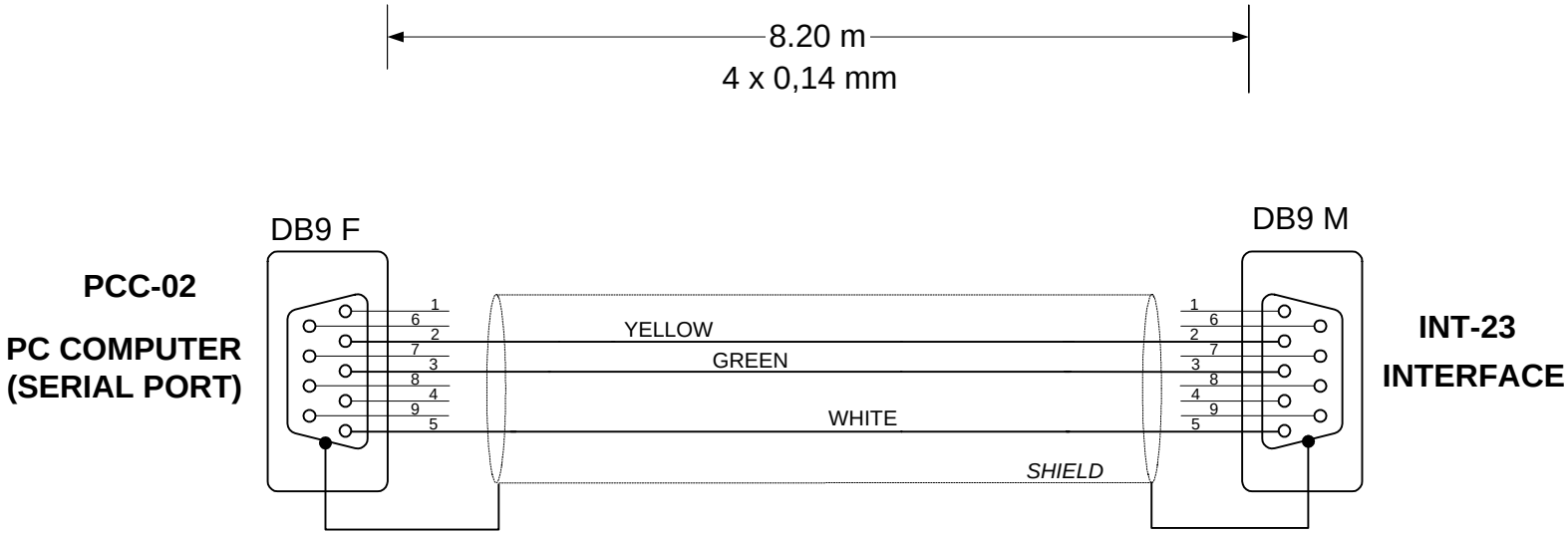
Interface RS232 cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. A

DATE: 04/07/2001

SHEET **1 of 2**



A. No.				
Appr				
Date				

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DRG NO.

EC-04-09-001-A

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

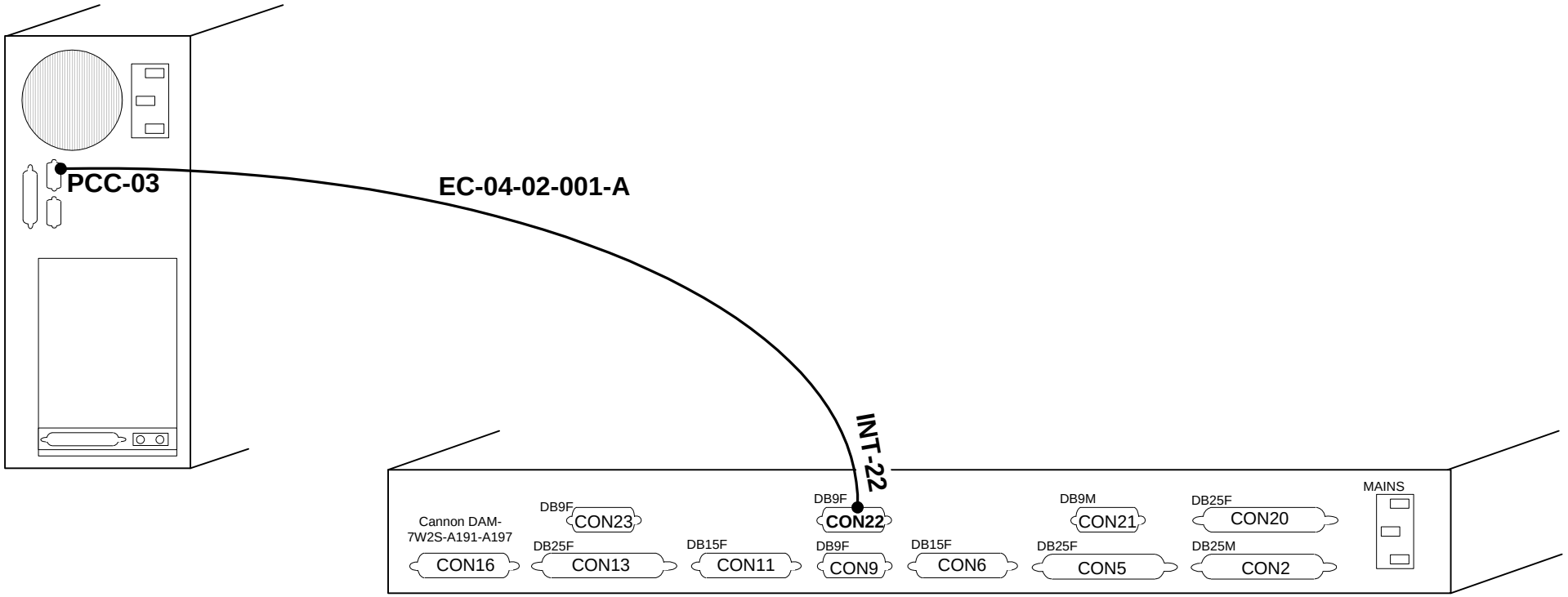
Interface RS232 cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. A

DATE: 04/07/2001

SHEET **2 of 2**



PNS code: **EC-04-02-001-A**	*Length:* **8.20m**	*Drg no.:* **EC-04-02-001-A**
Description: **CCD power supply communication**		
Cable: **4 x 0.14mm2 shielded**	*Connector 1:* **INT-22**	*Connector 2:* **PCC-03**
	PNS code: **EA-06-00-001-A**	*PNS code:* **EA-06-00-002-A**
PNS code: **EA-05-00-002-A**	*Type:* **DB9 male**	*Type:* **DB9 female**
Type: **LiYCY4 x 0.14 shielded**	*Location:* **Interface – rear panel**	*Location:* **PC (serial port)**

A. No.	B			
Appr				
Date	Dec. 2002			

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DRG NO. **EC-04-02-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

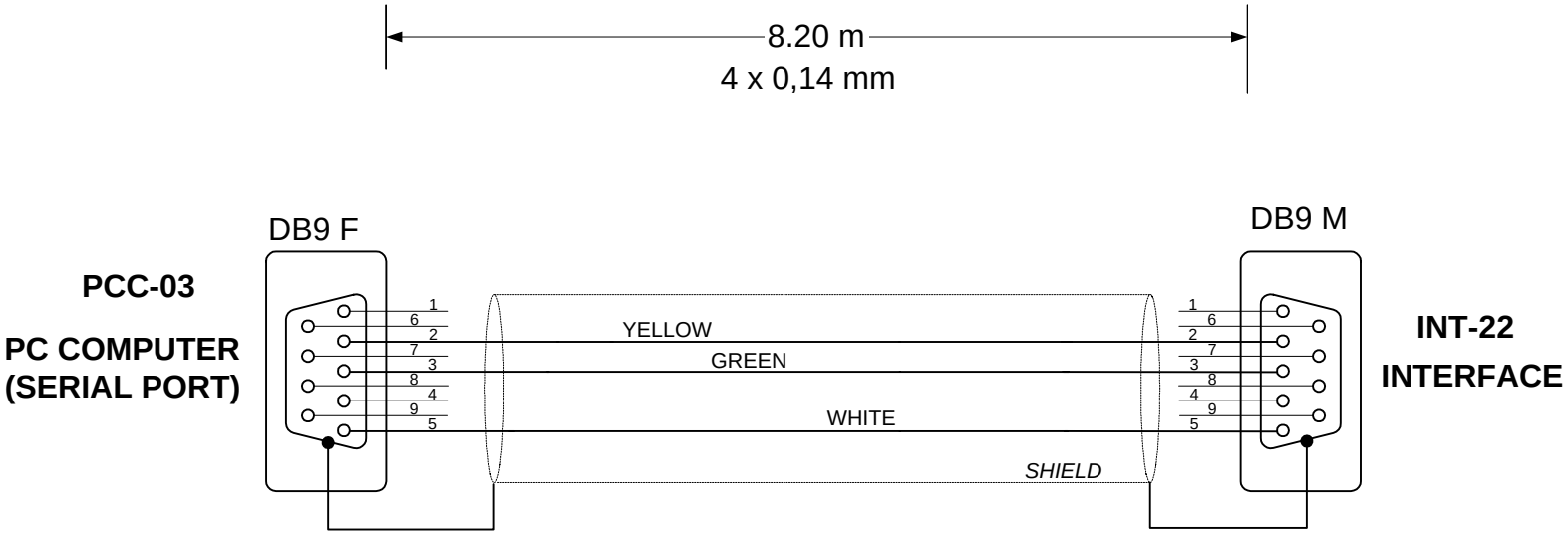
TITLE: **Xcalibur system**
CCD power supply to PC (RS232)

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. B

DATE: 06/07/2001

SHEET **1 of 2**



A. No.	B			
Appr				
Date	Dec. 2002			

oxford diffraction

DRG NO.

EC-04-02-001-A

DRAWN BY: **R. S.**

APPROWED BY:

TITLE:

Xcalibur system

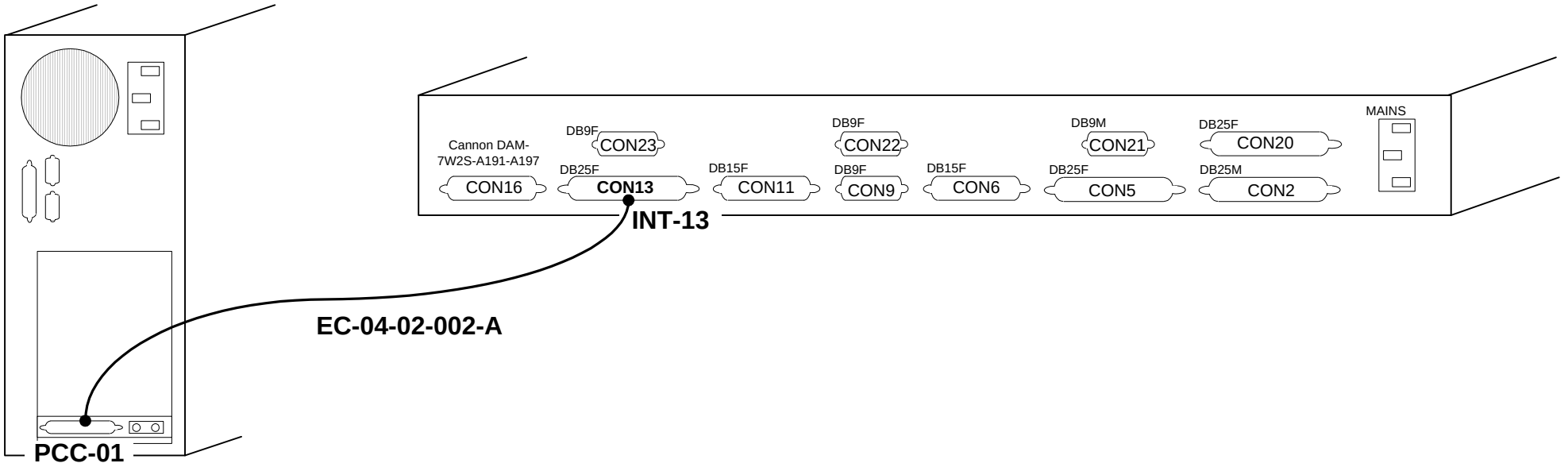
CCD power supply to PC (RS232)

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. B

DATE: 04/07/2001

SHEET **2 of 2**



PNS code: **EC-04-02-002-A**	*Length:* **8.20m**	*Drg no.:* **EC-04-02-002-A**
Description: **FIP60 communication**		
Cable: **18 x 0.14mm2 shielded**	*Connector 1:* **INT-13**	*Connector 2:* **PCC-01**
	PNS code: **EA-06-00-005-A**	*PNS code:* **EA-06-00-005-A**
PNS code: **EA-05-00-013-A**	*Type:* **DB25 male**	*Type:* **DB25 male**
Type: **LiYCY18 x 0.14 shielded**	*Location:* **Interface – rear panel**	*Location:* **PC (FIP60)**

A. No.	B			
Appr				
Date	Dec. 2002			

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DRG NO.

EC-04-02-002-A

DRAWN BY: R. S.

APPROWED BY:

TITLE:

Xcalibur system

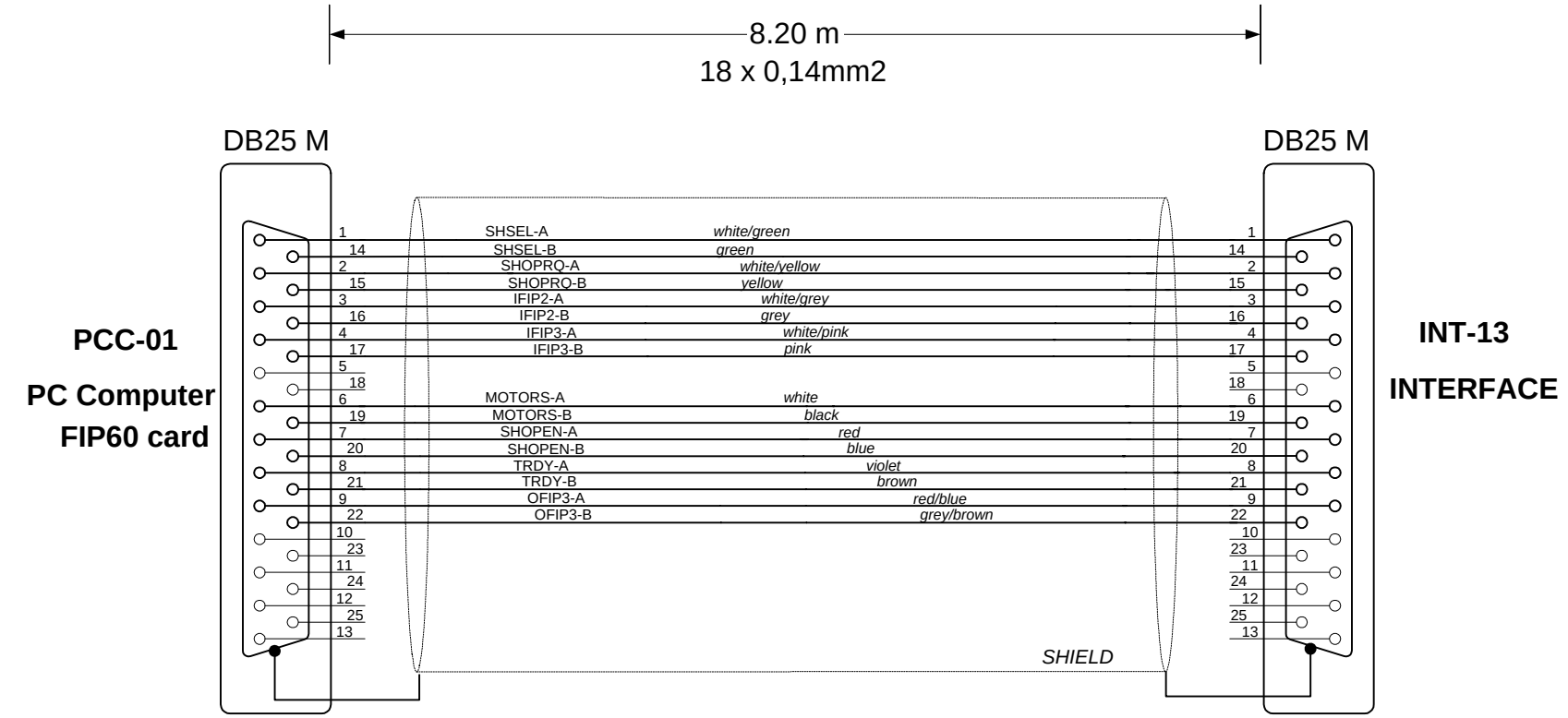
FIP60 to Interface cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. B

DATE: 06/07/2001

SHEET **1 of 2**



A. No.	B			
Appr				
Date	Dec. 2002			

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DRG NO.

EC-04-02-002-A

DRAWN BY: R. S.

APPROWED BY:

TITLE:

Xcalibur system

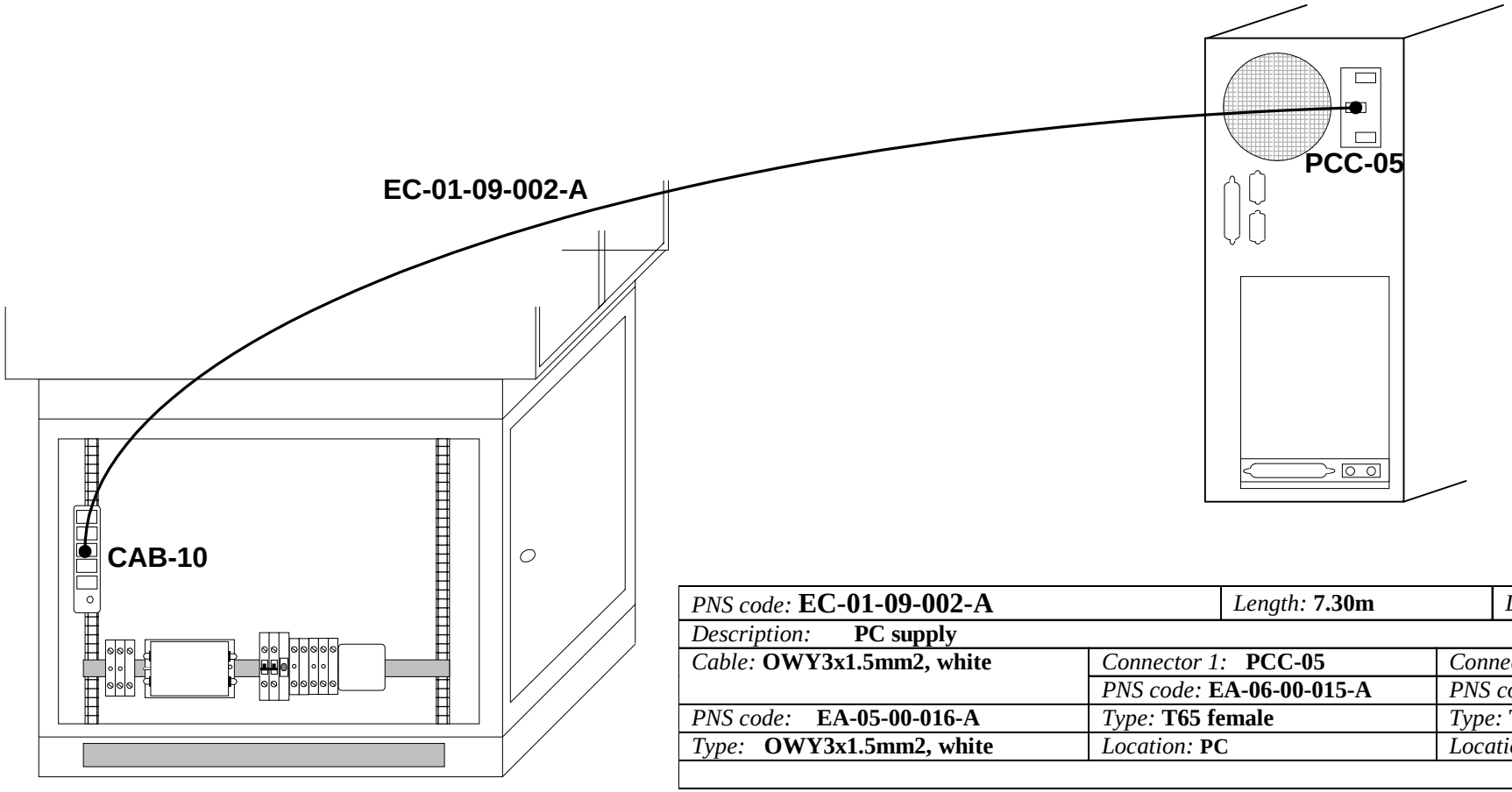
FIP60 to Interface cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. B

DATE: 04/07/2001

SHEET **2 of 2**



PNS code: **EC-01-09-002-A**		*Length:* **7.30m**	*Drg no.:* **EC-01-09-002-A**
Description: **PC supply**			
Cable: **OWY3x1.5mm2, white**	*Connector 1:* **PCC-05**		*Connector 2:* **CAB-10**
	PNS code: **EA-06-00-015-A**		*PNS code:* **EA-06-00-014-A**
PNS code: **EA-05-00-016-A**	*Type:* **T65 female**		*Type:* **T65 male**
Type: **OWY3x1.5mm2, white**	*Location:* **PC**		*Location:* **IEC plug inlet**

A. No.	B			
Appr				
Date	Dec. 2002			

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DRG NO.

EC-01-09-002-A

DRAWN BY: **R. S.**

APPROWED BY:

TITLE:

PC

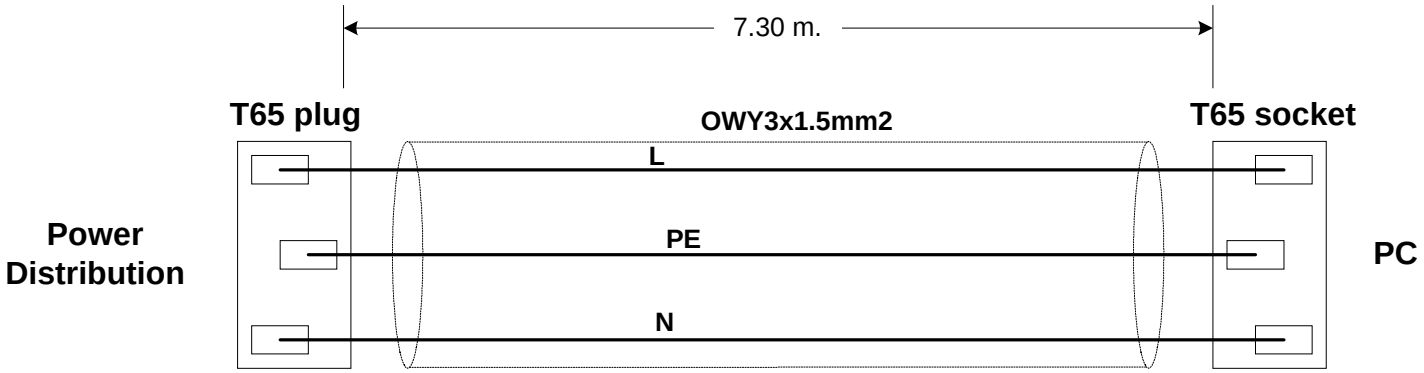
230VAC Supply cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. B

DATE: 03/01/2002

SHEET **1 of 2**



A. No.	B			
Appr				
Date	Dec. 2002			

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DRG NO. **EC-01-09-002-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **PC**

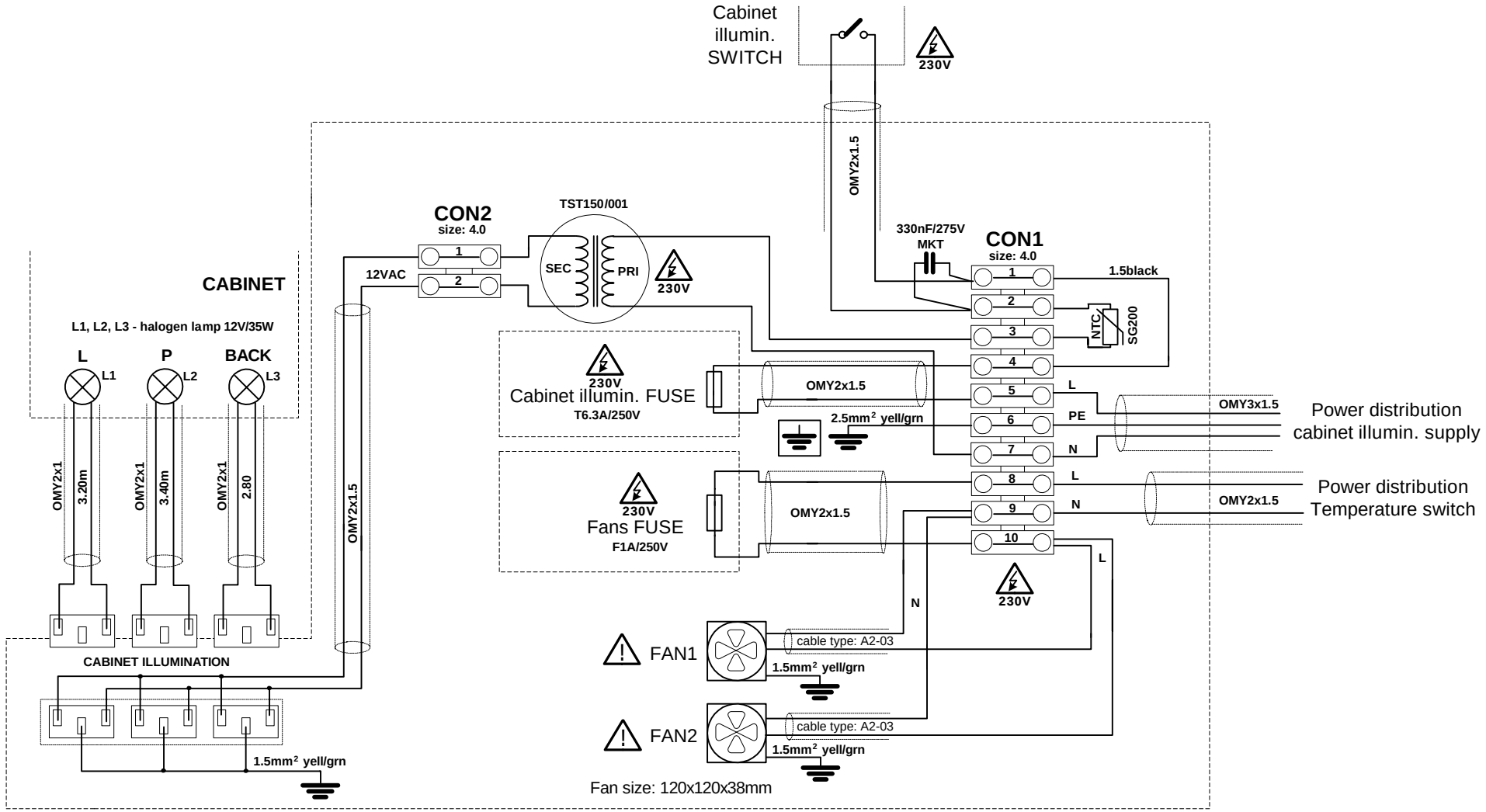
230VAC Supply cable

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. B

DATE: 03/01/2001

SHEET **2 of 2**



A. No.				
Appr				
Date				

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DRG NO. **EF-00-01-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **XCALIBUR SYSTEM**

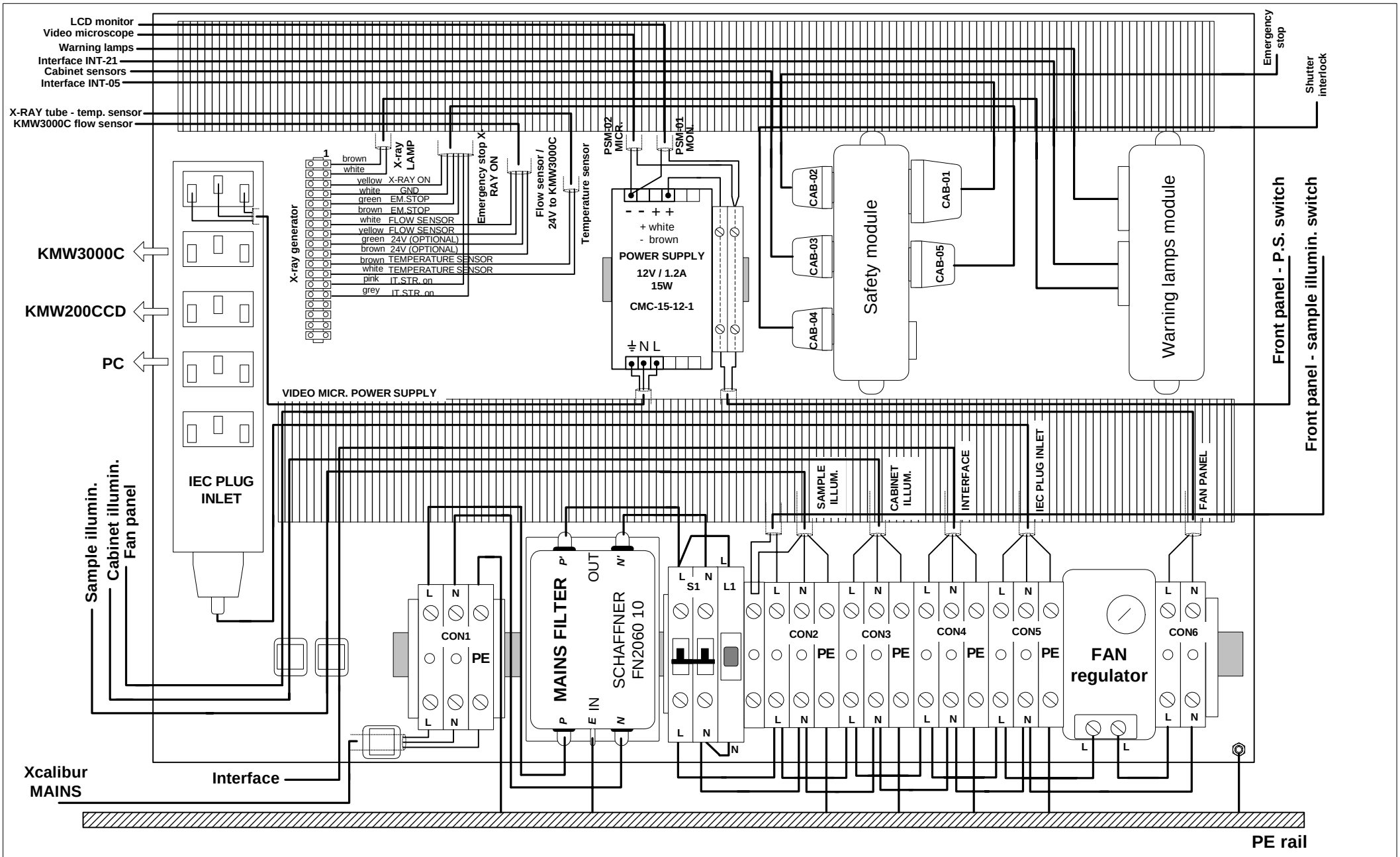
FAN PANEL - electrical connection

FILE: \\KUMA\workgroups\electronics\xcalibur\ electrical documentation\

REV. A

DATE: 08/2003

SHEET **1 of 1**



A. No.	B	D		
Appr				
Date	06/2003	09/2003		

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DRG NO. **EC-24-07-000-A**

DRAWN BY: **R. S.**

APPROWED BY:

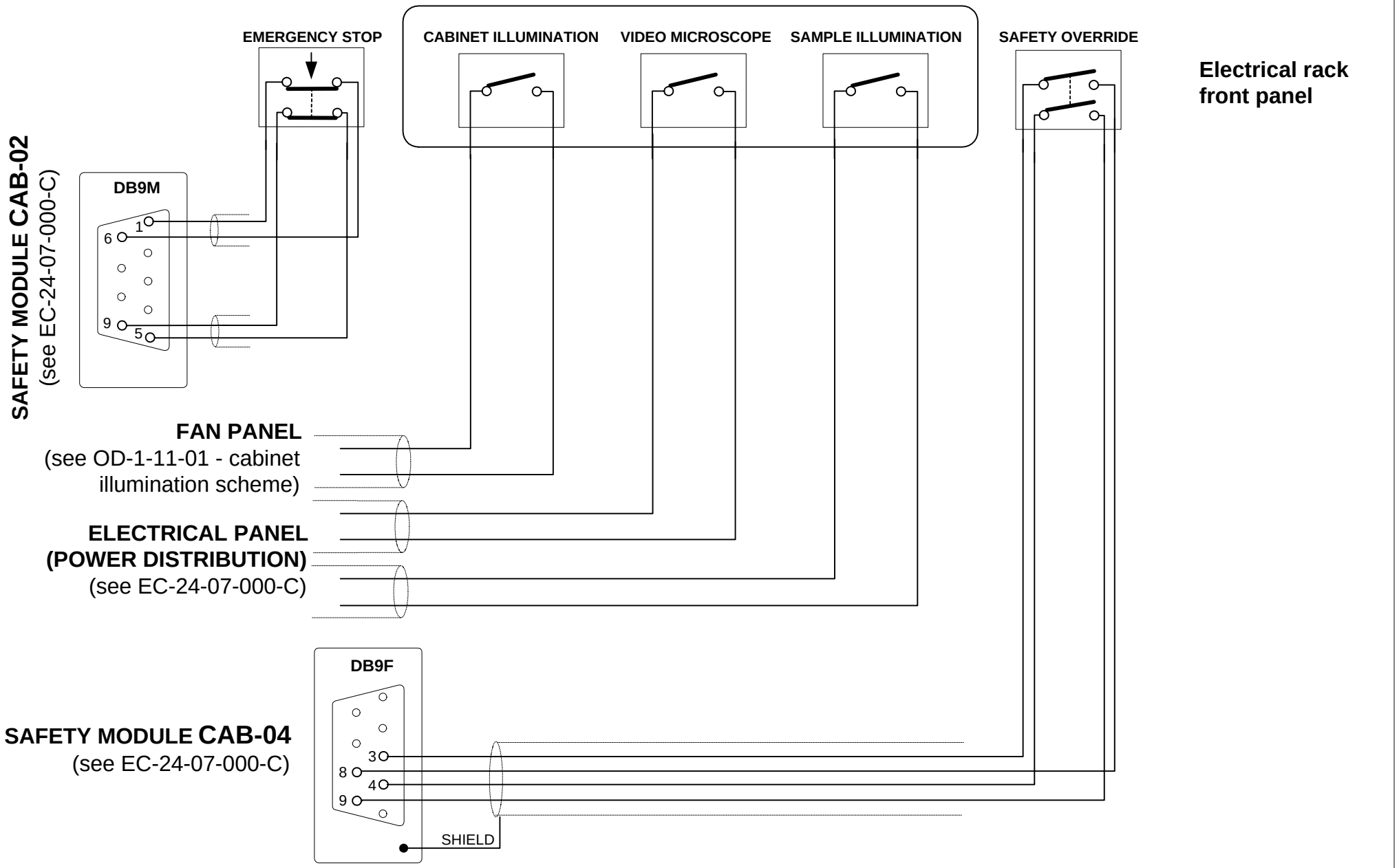
TITLE: **Xcalibur PX system Electrical panel**

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. **D**

DATE: 04.2003

SHEET **1 of 1**



A. No.				
Appr				
Date				

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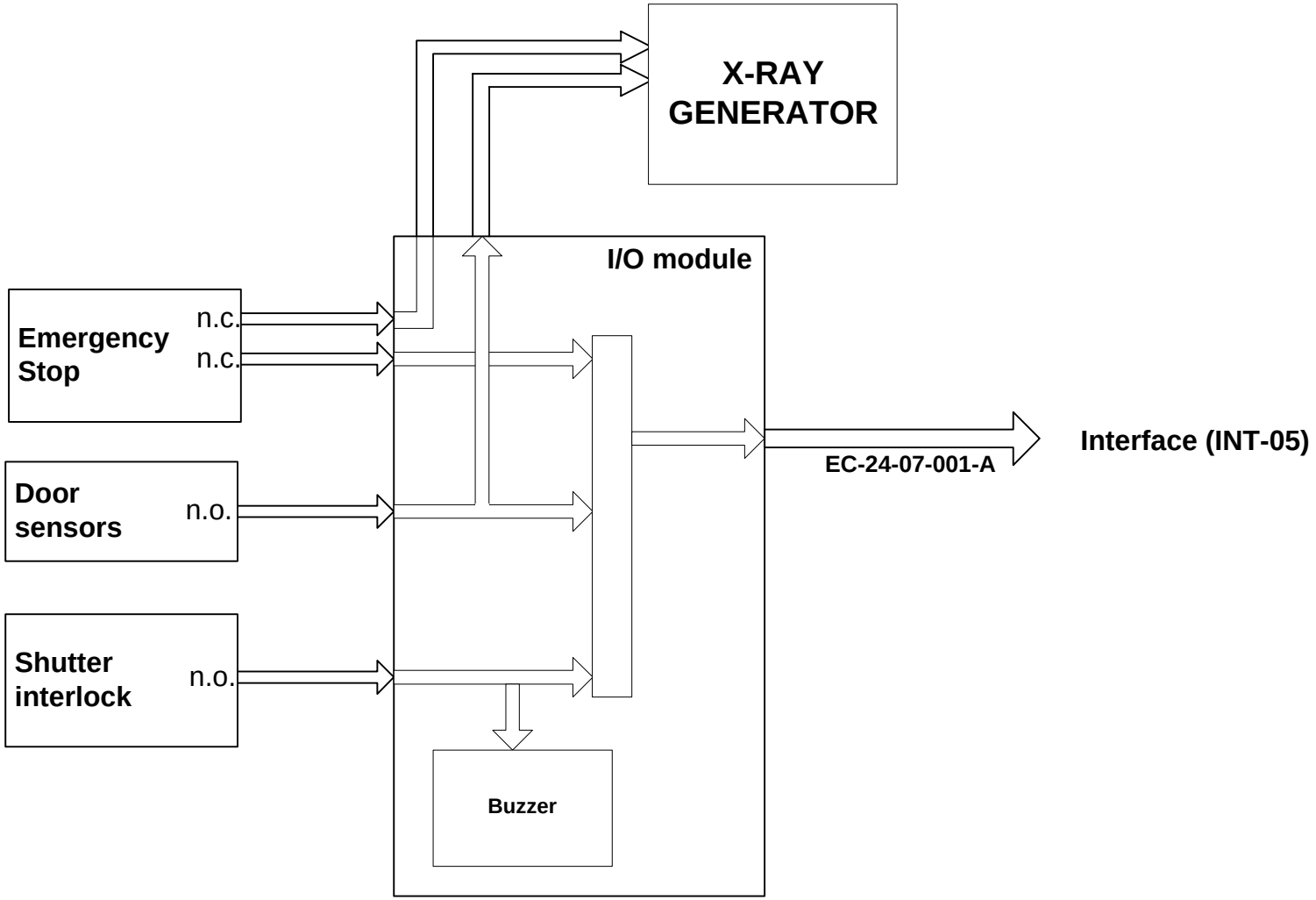
DRG NO.	**EC-24-07-010-A**	*TITLE:*	**Xcalibur system Front panel**
DRAWN BY:	**R. S.**	*FILE:*	\\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\
APPROWED BY:		*REV.*	**A**
		DATE:	07.2003
		SHEET	**1 of 1**



A. No.				
Appr				
Date				

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DRG NO. **OD-1-09-11**

DRAWN BY: **R. S.**

APPROWED BY:

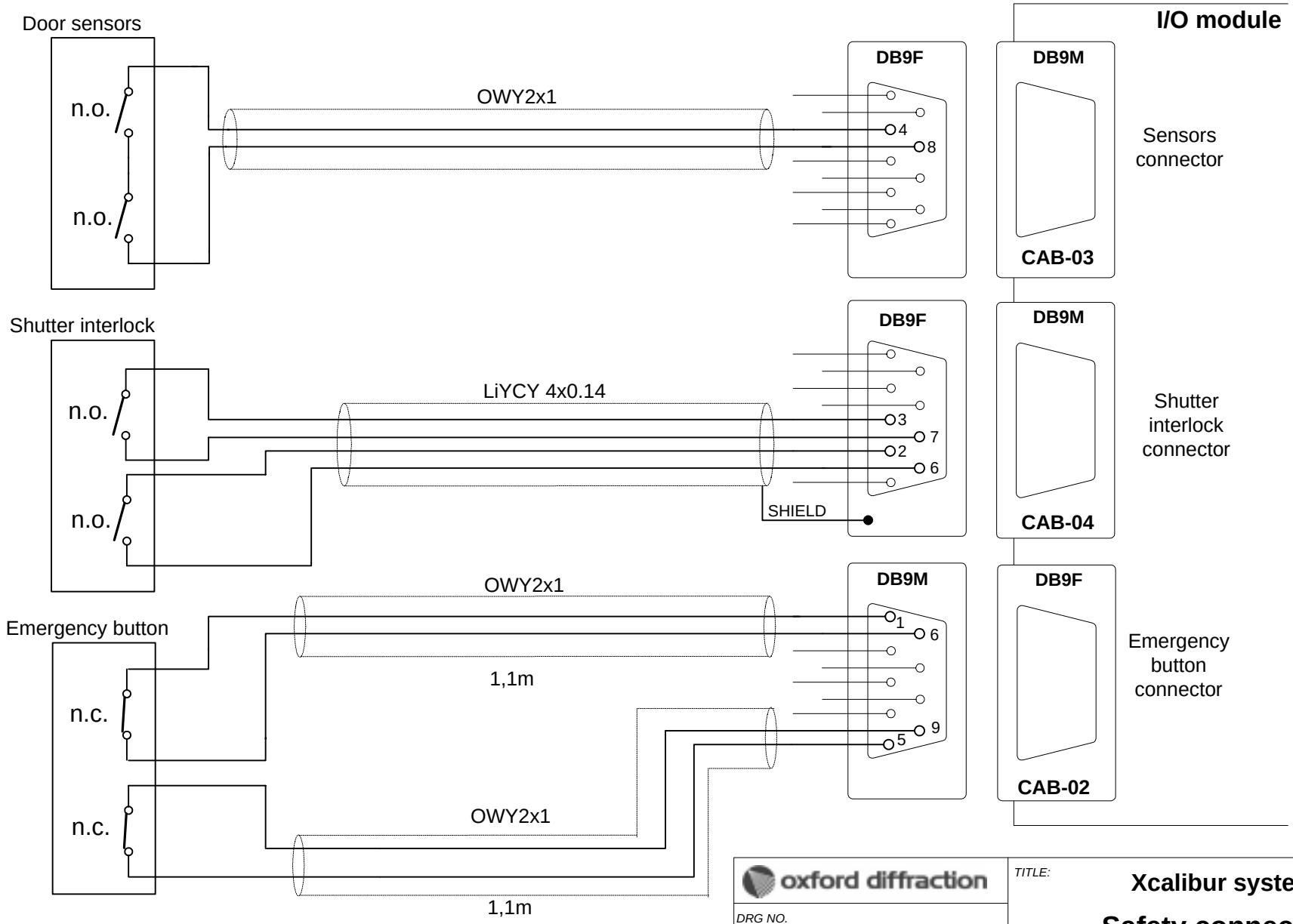
TITLE: **Xcalibur system**
Safety system - block diagram

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. A

DATE: 01.2002

SHEET **1 of 1**



A. No.	B	C		
Appr				
Date	06/2002	09/2003		

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DRG NO. **OD-1-09-11**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

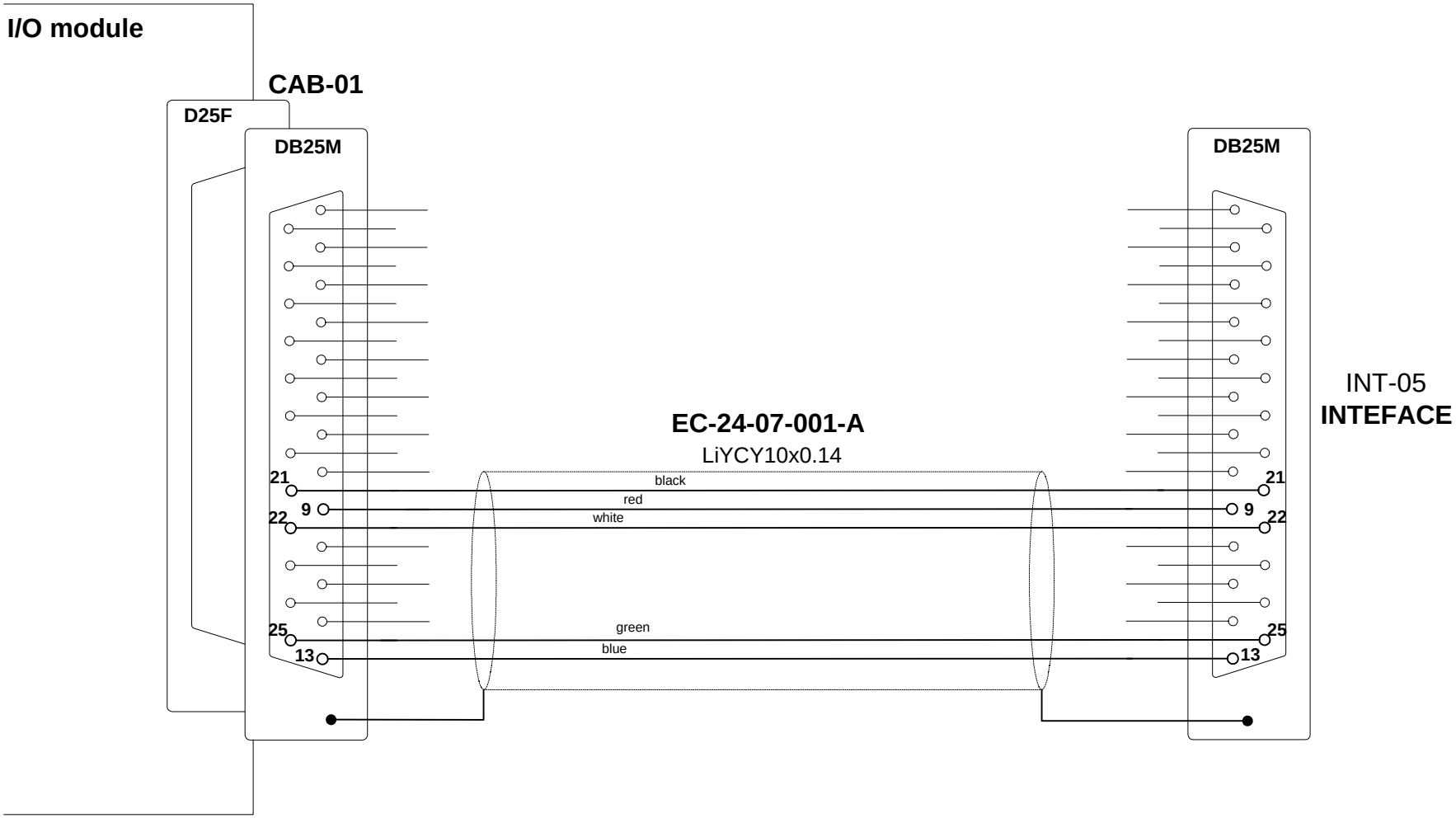
Safety connections

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. C

DATE: 01.2002

SHEET **1 of 1**



A. No.				
Appr				
Date				

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DRG NO. **EC-24-07-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

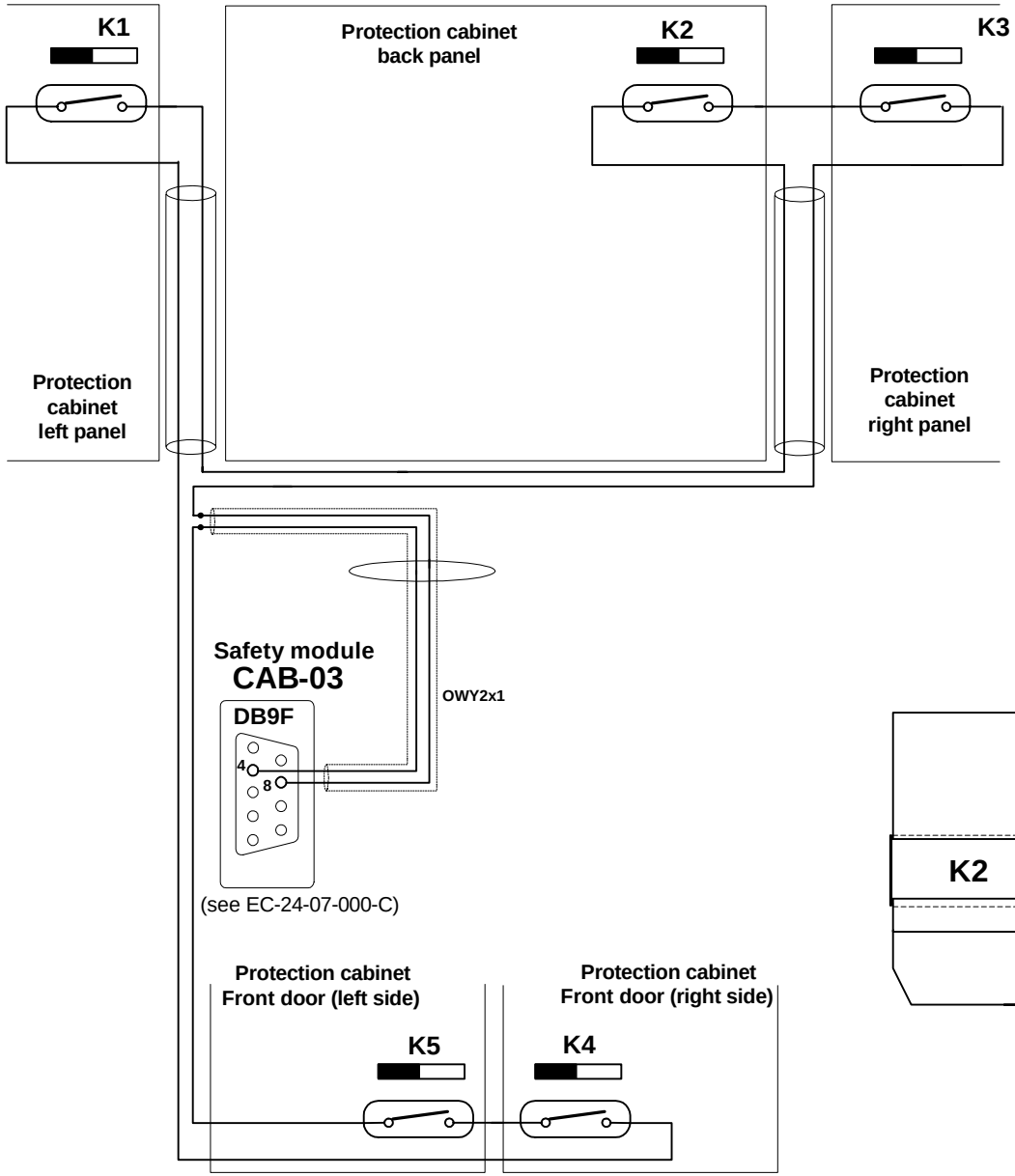
Safety connections

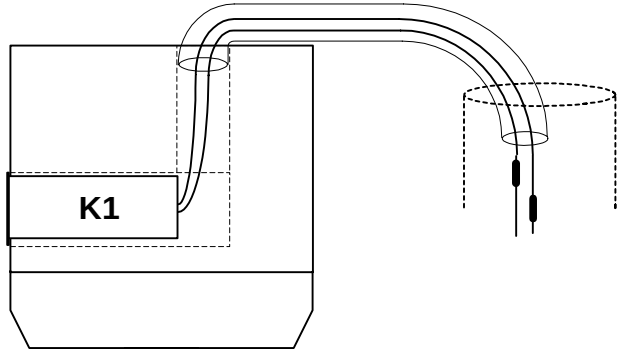
FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

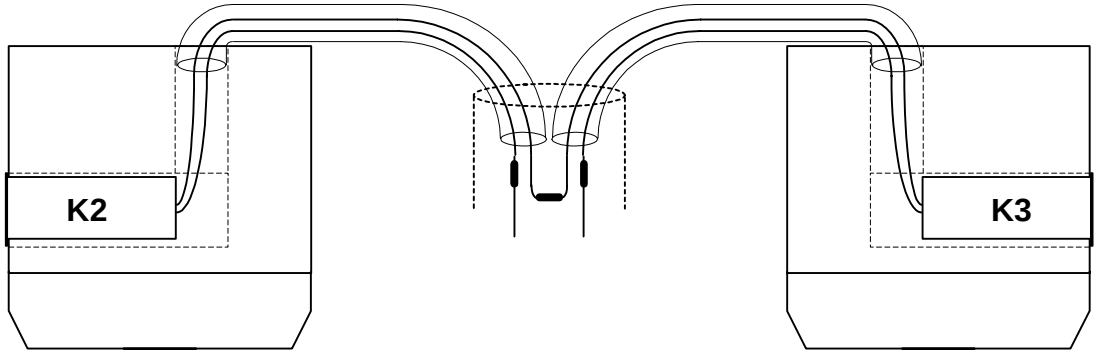
REV. A

DATE: 01.2002

SHEET **1 of 1**







A. No.	B			
Appr				
Date	09/2003			

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DRG NO. **EC-24-11-001-B**

DRAWN BY: **R. S.**

APPROWED BY:

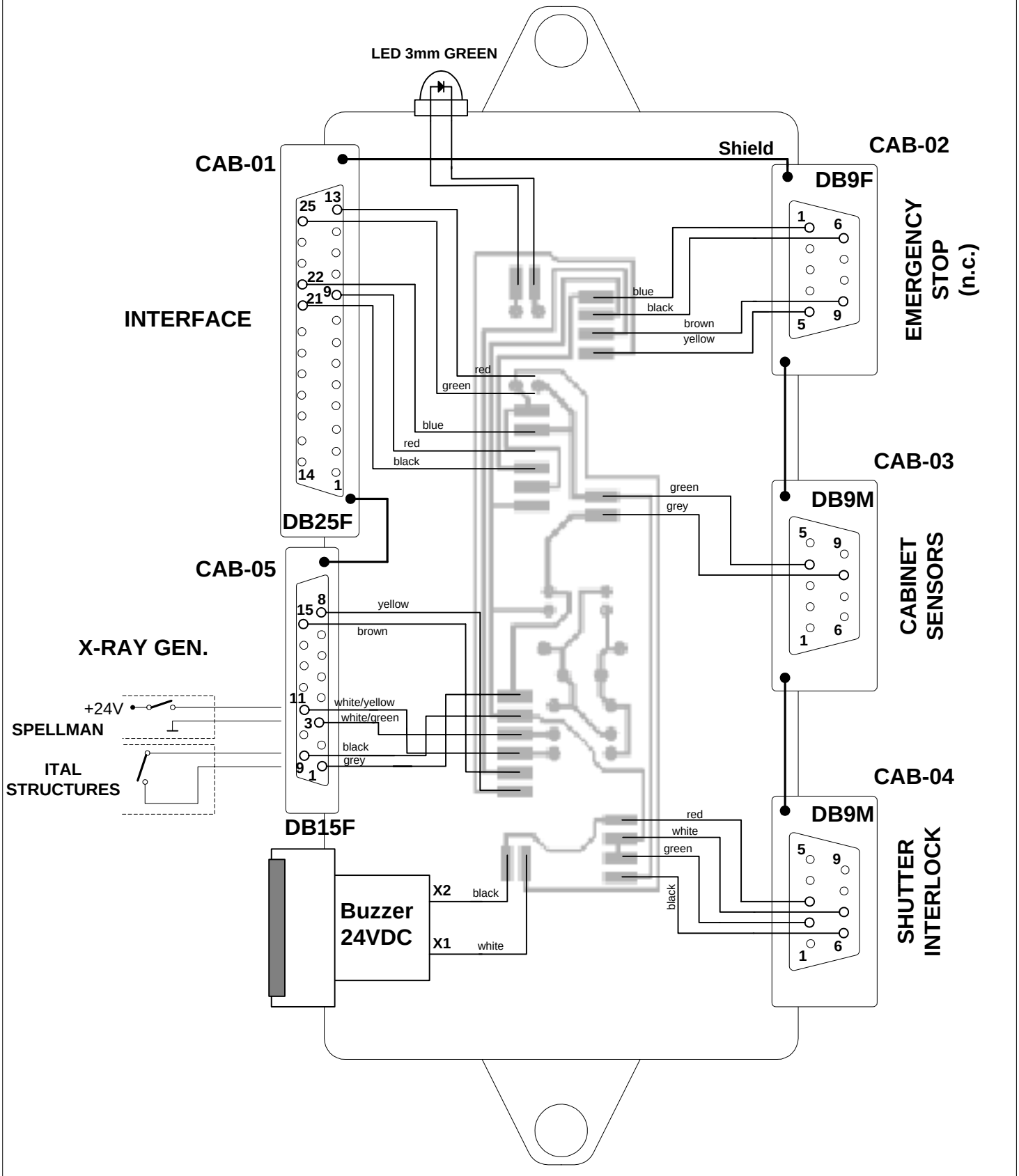
TITLE: **Xcalibur system Protection cabinet sensors**

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV. **A**

DATE: 09.2003

SHEET **1 of 1**



A. No.	**A**	**B**
Appr		
Date	**05/2002**	**06/2002**

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DRG NO. **OD-1-09-12**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

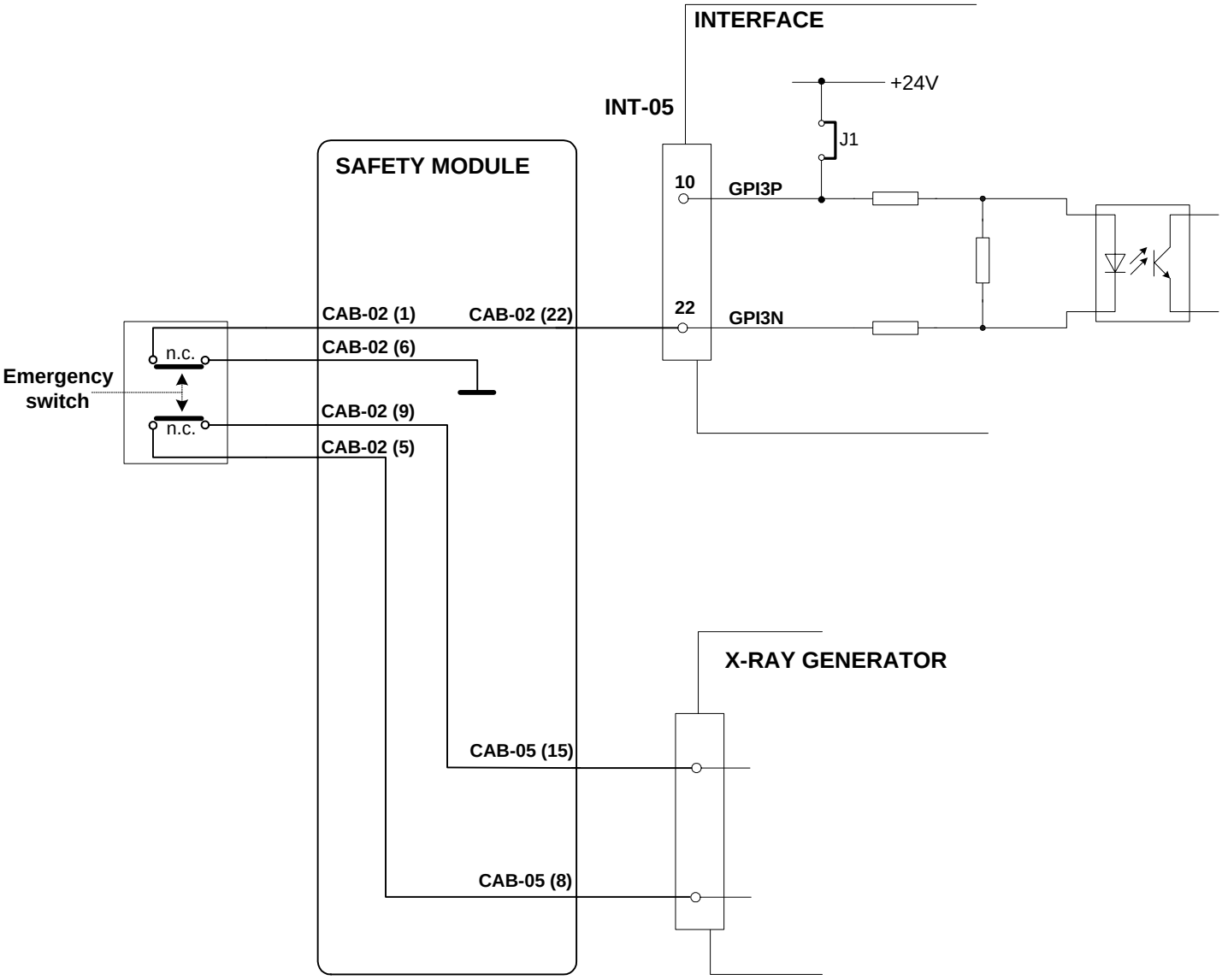
Safety module - connections

FILE: \\KUMA\workgroups\electronics\gonio68332\cabinet

REV. **C**

DATE: 24/01/2002

SHEET **1 of 3**



A. No.	**A**	**B**
Appr		
Date	**05/2002**	**06/2002**

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DRG NO. **OD-1-09-12**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

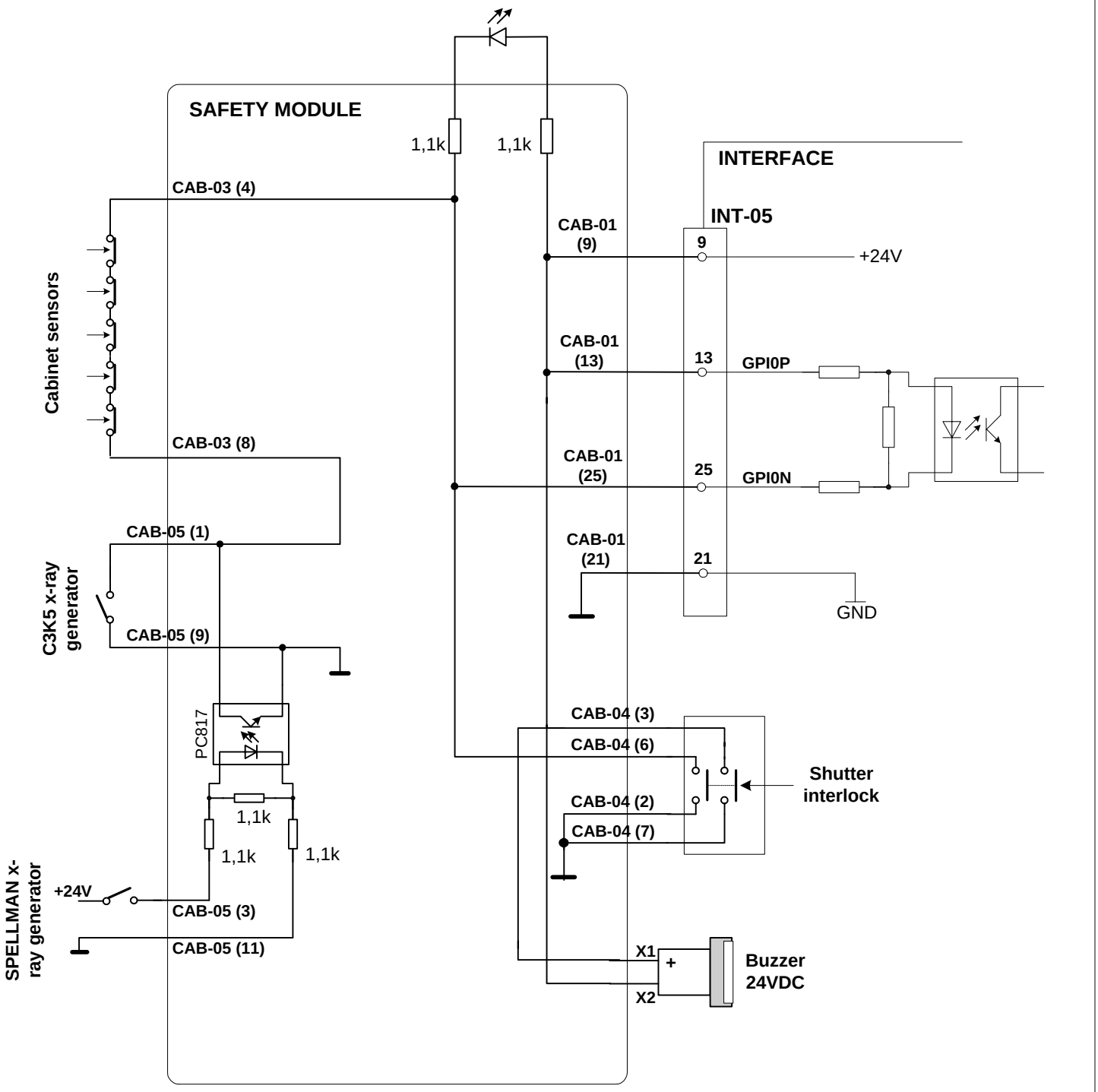
Safety module - connections

FILE: \\KUMA\workgroups\electronics\gonio68332\cabinet

REV. **B**

DATE: 24/01/2002

SHEET **2 of 3**



A. No.	**A**	**B**
Appr		
Date	**05/2002**	**06/2002**

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DRG NO. **OD-1-09-12**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **Xcalibur system**

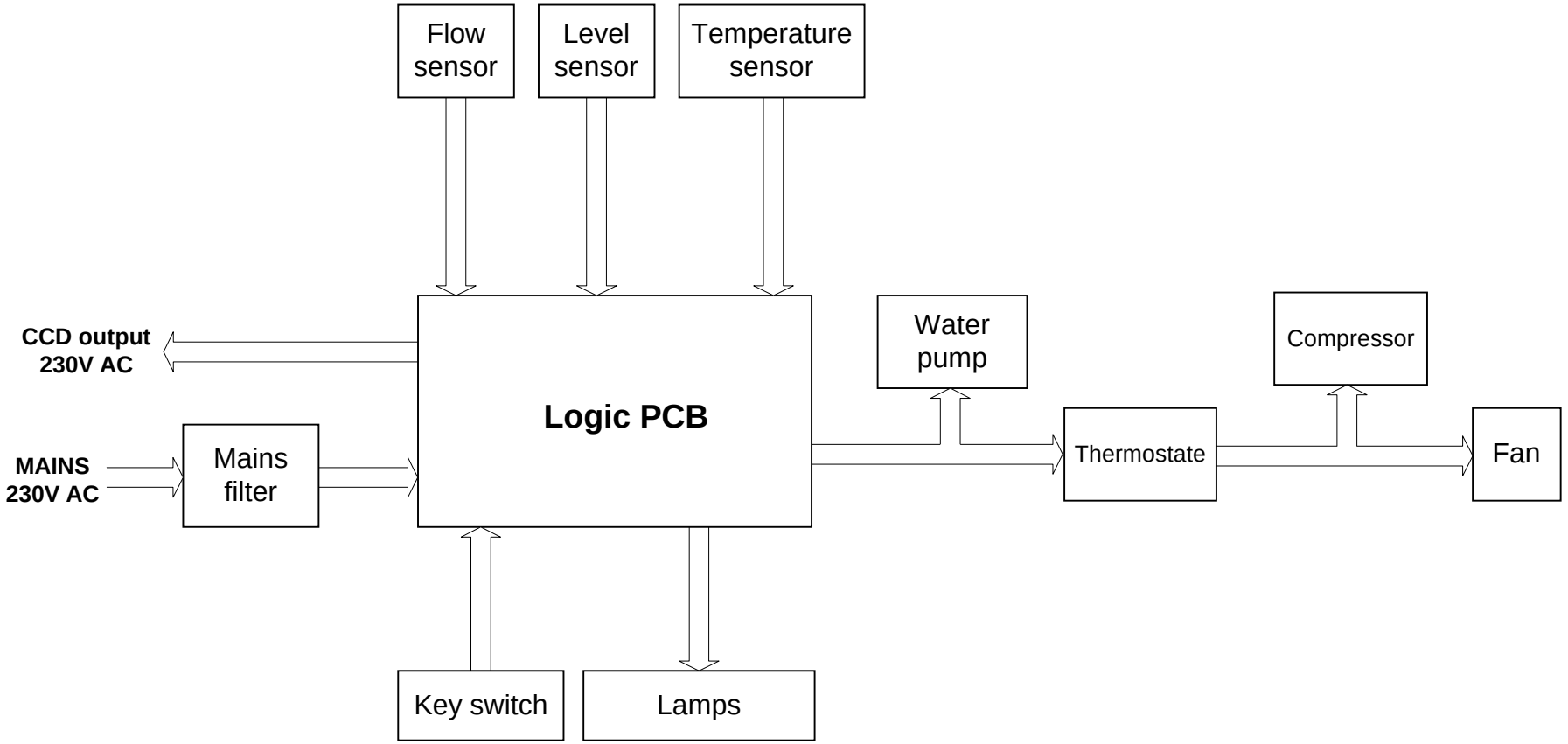
Safety module - connections

FILE: \\KUMA\workgroups\electronics\gonio68332\cabinet

REV. **C**

DATE: 24/01/2002

SHEET **3 of 3**



A. No.				
Appr				
Date				

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DRG NO. **EW-02-00-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **KMW150CCD / KMW200CCD**

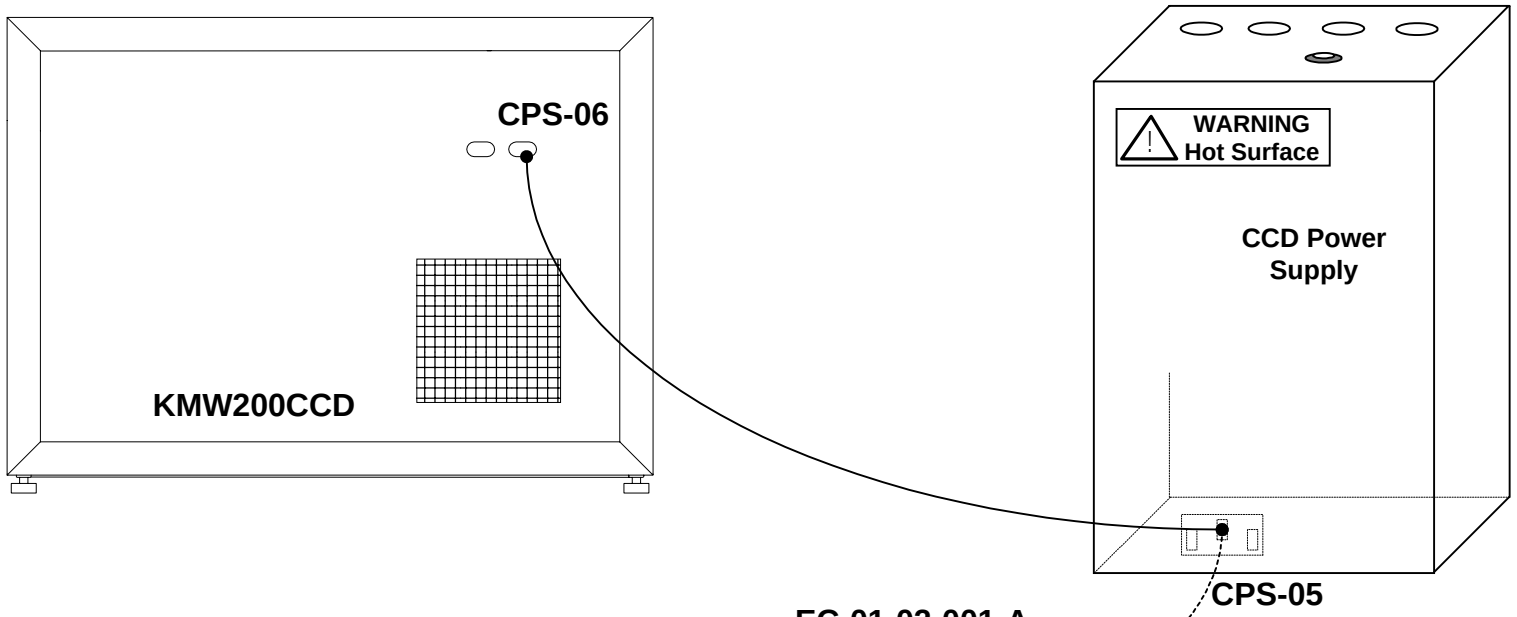
Electrical block scheme

FILE: \\KUMA\workgroups\electronics\KMW150CCD\

REV. A

DATE: 10.2002

SHEET **1 of 1**



KPNS code: **EC-01-02-001-A**		*Length:* **5.0m**	*Drg no.:* **EC-01-02-001-A**
Description: **CCD supply**			
Cable: **3 x 1.5mm2, white**	*Connector 1:* **CPS-06**		*Connector 2:* **CPS-05**
	PNS code: **EA-06-00-014-A**		*PNS code:* **EA-06-00-015-A**
PNS code: **EA-05-00-016-A**	*Type:* **T65 male**		*Type:* **T65 female**
Type: **OWY3x1.5mm2**	*Location:* **KMW150CCD**		*Location:* **CCD p. s.**

A. No.				
Appr				
Date				

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DRG NO. **EC-01-02-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **CCD Power Supply**

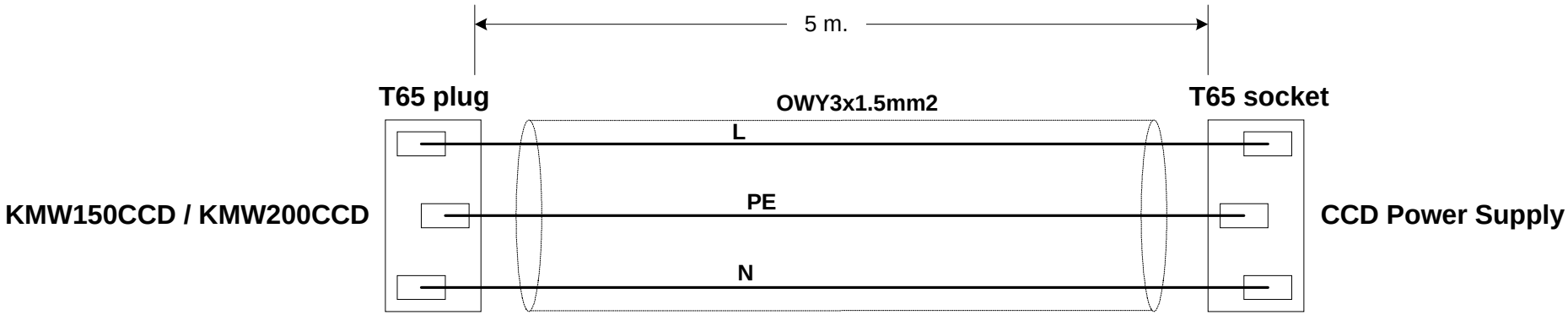
230VAC Supply cable

FILE: \\KUMA\workgroups\electronics\gonio68332\cables

REV. A

DATE: 03/01/2002

SHEET **1 of 2**



A. No.				
Appr				
Date				

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DRG NO. **EC-01-02-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **CCD Power Supply**

230VAC Supply cable

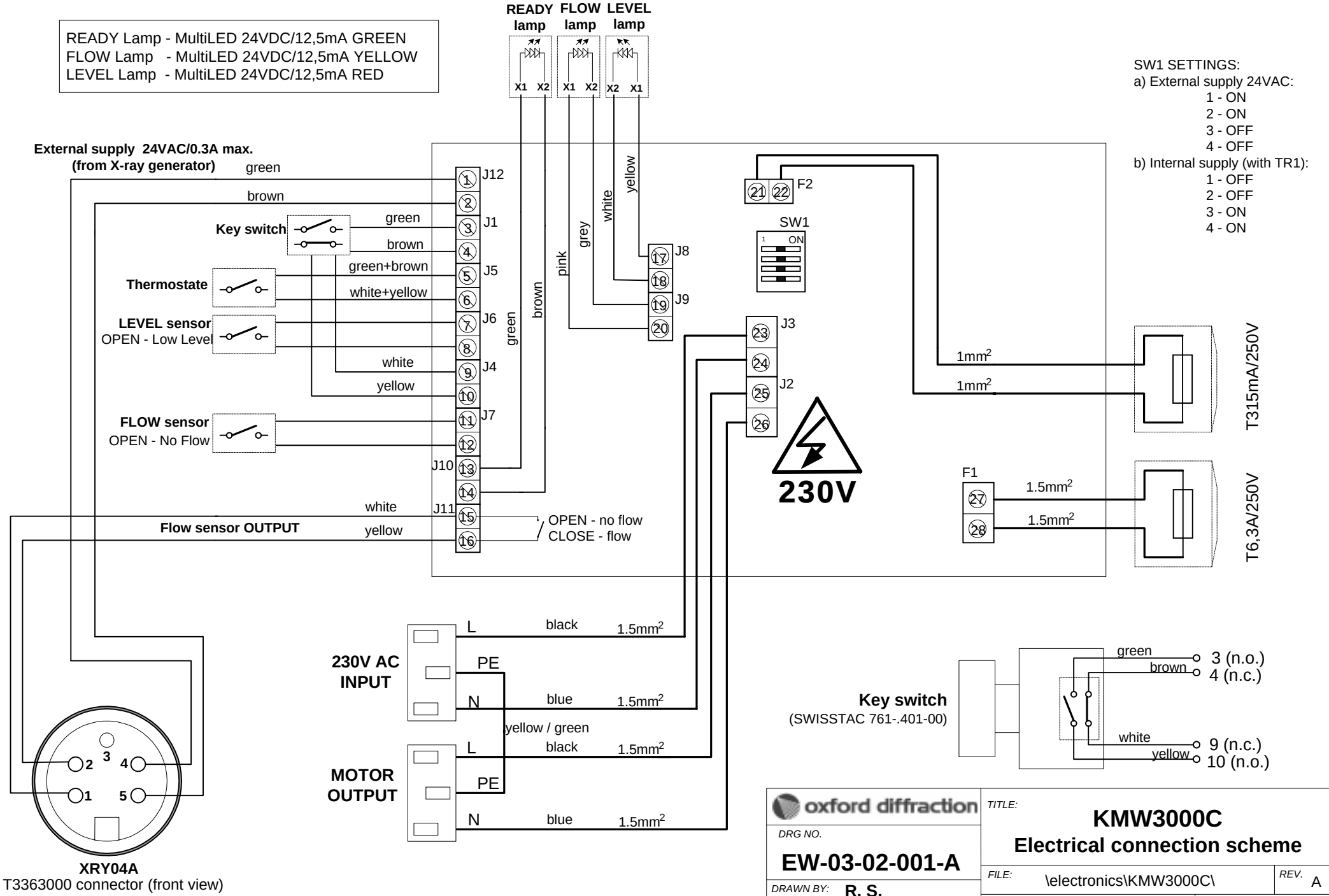
FILE: \\KUMA\workgroups\electronics\gonio68332\cables

REV. A

DATE: 03/01/2001

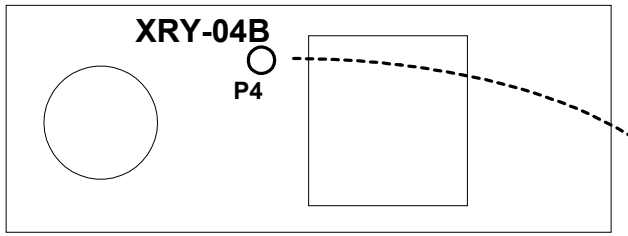
SHEET **2 of 2**

READY Lamp - MultiLED 24VDC/12,5mA GREEN
FLOW Lamp - MultiLED 24VDC/12,5mA YELLOW
LEVEL Lamp - MultiLED 24VDC/12,5mA RED



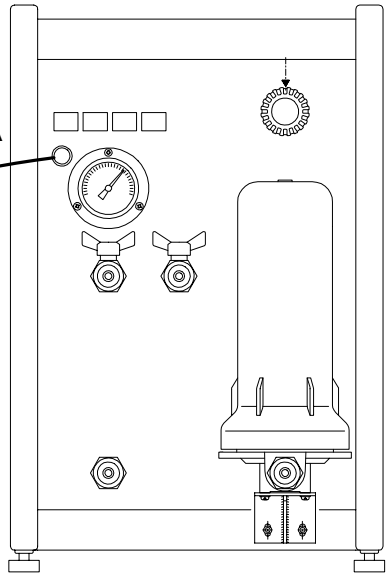
oxford diffraction	TITLE: **KMW3000C** **Electrical connection scheme**	
DRG NO. **EW-03-02-001-A**		
DRAWN BY: **R. S.**	FILE: \electronics\KMW3000C\	REV. A
APPROWED BY:	DATE: 7/02/2002	SHEET **1 of 1**

ITAL STRUCTURES
C3K5 X-RAY GENERATOR



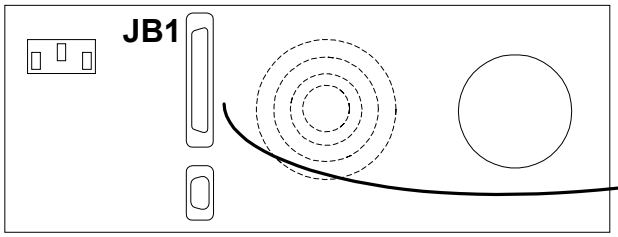
EC-24-06-001-D

KMW3000C front view

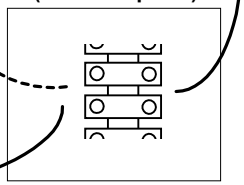


EC-24-06-001-A

SPELLMAN
DF/FF X-RAY GENERATOR

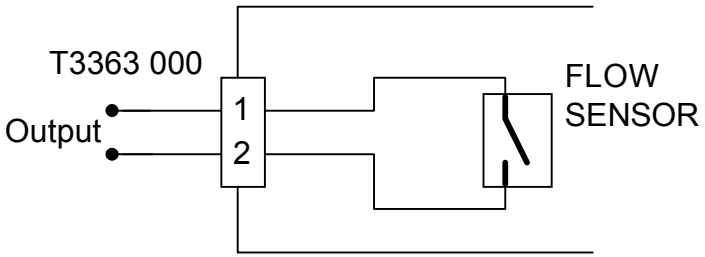


Screw connector (electrical panel)



EC-24-06-001-C

KMW3000C chiller unit



OPEN - no flow
CLOSE - flow

A. No.				
Appr				
Date				

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DRG NO. **EW-24-06-000-B**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **KMW3000C**

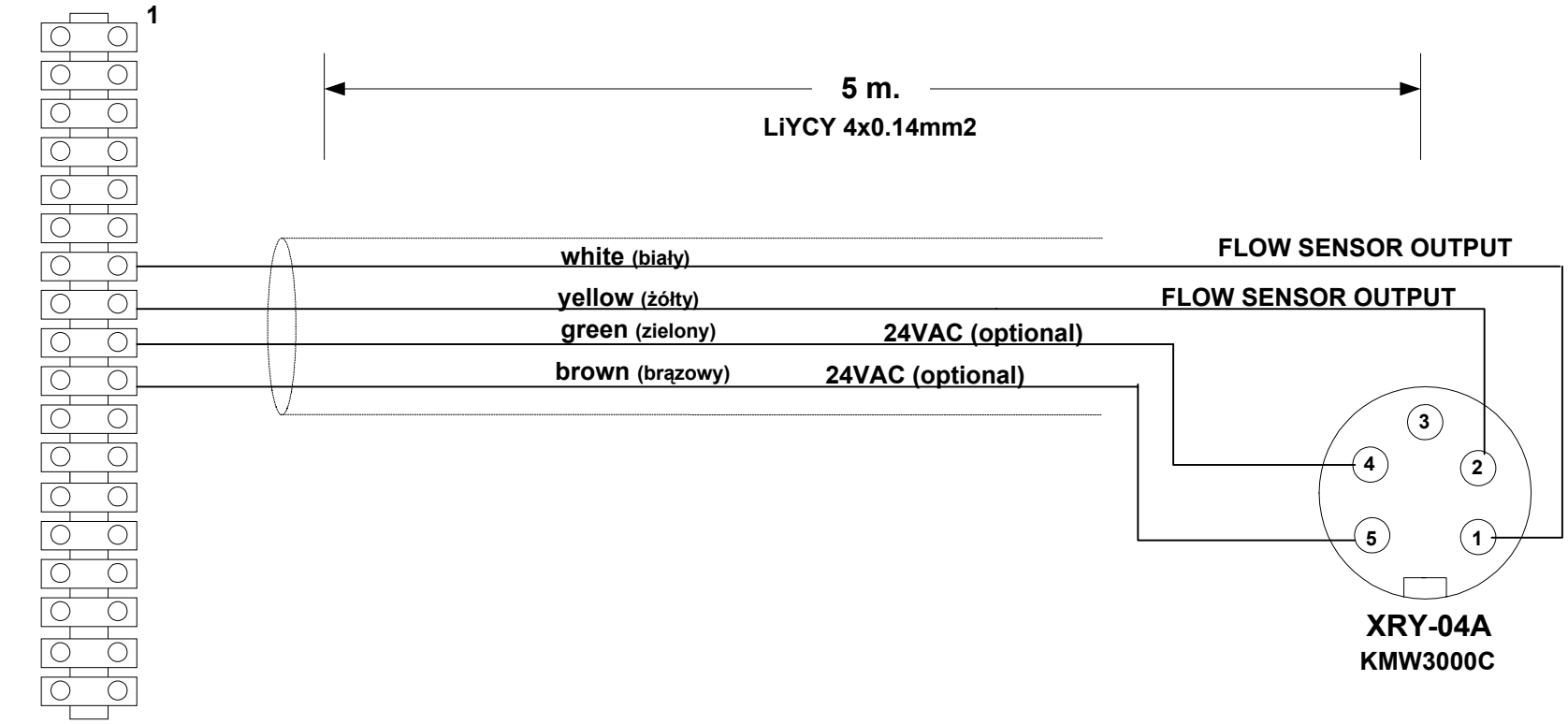
Flow sensor cable

FILE: \\KUMA\workgroups\electronics\ KMW3000C

REV. **A**

DATE: 03/01/2002

SHEET **1 of 2**



XRY-04A	Description
1, 2	Flow sensor output
3	no connected
4, 5	External supply 24VAC/0.3A max. from x-ray generator

A. No.	A	B		
Appr				
Date	02/09/2002	04/2003		

oxford diffraction

DRG NO. **EC-24-06-001-A**

DRAWN BY: **R. S.**

APPROWED BY:

TITLE: **KMW3000C**

Flow sensor cable

FILE: \\KUMA\workgroups\electronics\ KMW3000C

REV. **B**

DATE: 03/01/2001

SHEET **2 of 2**